

**Fairfield
University**

*The College
of Arts
and
Sciences*

1973-74

THE OBJECTIVES OF FAIRFIELD UNIVERSITY

Fairfield University is an academic institution established by the Jesuit Fathers whose primary objective is the development of the creative intellectual potential of its students in a context of religious commitment.

This it does by providing:

A respect for truth as the driving force of its community.

Freedom of inquiry as the best means for attaining truth.

A faculty of scholars and teachers as directors of the process.

A curriculum of liberal arts and sciences.

A humanistic and socially conscious environment as the setting for the learning community.

An institutional Catholic commitment as a way of life.

It welcomes all persons regardless of race, color or creed who share its vision, respect its process, and wish to participate in its community.



AD MAIOREM DEI GLORIAM

FAIRFIELD UNIVERSITY

**THE COLLEGE OF ARTS
AND SCIENCES**

THE SCHOOL OF NURSING

CATALOGUE ISSUE

1973-1974

Fairfield, Connecticut

Volume XXV

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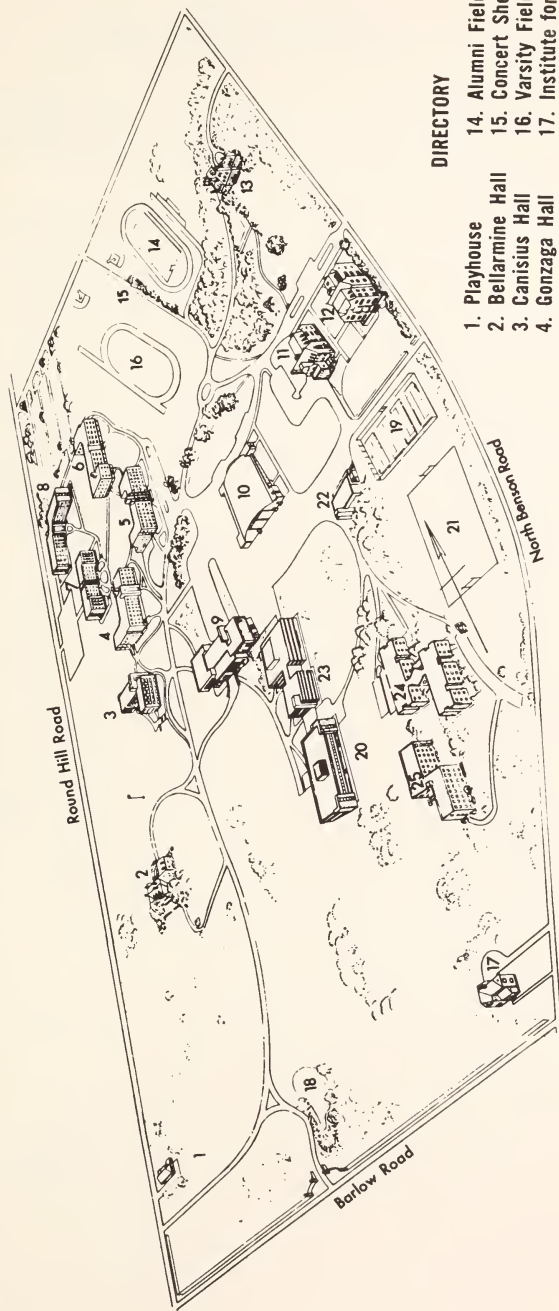
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FAIRFIELD UNIVERSITY CAMPUS

CONNECTICUT TURNPIKE
FROM NEW YORK
Take Exit 22
Left on Round Hill Rd.

FROM MERRITT PARKWAY
Take Exit 44
Black Rock Turnpike
Turn Right at Stillson Rd.
Bear Left into N. Benson Rd.



DIRECTORY

- | | |
|--------------------|-------------------------------------|
| 1. Playhouse | 14. Alumni Field |
| 2. Bellarmine Hall | 15. Concert Shell |
| 3. Canisius Hall | 16. Varsity Field |
| 4. Gonzaga Hall | 17. Institute for Human Development |
| 5. Loyola Hall | 18. Bellarmine Pond |
| 6. Campion Hall | 19. Tennis Courts |
| 7. Regis Hall | 20. Nyselius Library |
| 8. Northwest Hall | 21. Grauert Field |
| 9. Campus Center | 22. Central Utility Facility |
| 10. Gymnasium | 23. Bannow Science Center |
| 11. Berchmans Hall | 24. Southeast I Hall |
| 12. Xavier Hall | 25. Southeast II Hall |
| 13. McAuliffe Hall | |

CONNECTICUT TURNPIKE
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Right on N. Benson Rd.

Revised 7/1/72

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Academic Calendar

College of Arts and Sciences

1973-74

1973

Saturday	September 1	Freshman students arrive
	September 2-4	Freshman Orientation
Tuesday	September 4	All other students arrive
Wednesday	September 5	Classes for all
Monday	October 8	Holiday-Columbus Day
Thursday	November 1	Holiday-Holiday-All Saint's Day
Tuesday	November 20	Thanksgiving recess begins at end of last period.
Monday	November 26	Classes resume
Thursday	December 13	Reading Day
Friday	December 14	Final examinations including Saturdays
Saturday	to December 22	

1974

Monday	January 21	Second semester begins
Monday	February 18	Holiday-President's Day
Friday	March 8	Holiday-Ecumenical Day
Monday-Friday	March 25-29	Spring Recess
Monday	April 1	Classes resume
Thursday-Friday	April 11-12	Holy Thursday, Good Friday-Holidays
Monday	April 15	Holiday-Black Leaders
Thursday	May 9	Reading Day
Friday	May 10 to	Final examinations including Saturdays
Saturday	May 18	
Sunday	May 26	Commencement

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FAIRFIELD UNIVERSITY

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Academic Council—a committee of administrators and elected members of the graduate and undergraduate faculties established to promote communication between faculty and administration.

Administrative Board—a committee of administrators, faculty and students established to promote communication concerning the affairs of the University.

Budget Committee—a committee of administrators, faculty and students established to review and make recommendations on the operational costs of the University.

Elected Faculty Committees

Admissions and Scholarships

Athletics

Corporation Conference

Educational Planning

Faculty Welfare

General Education

Graduate Schools

Graduate Studies

Library

Liturgy and Religious Life

Nominations

Public Lectures and Events

Rank and Tenure

Research

Student Affairs

Undergraduate Curriculum

University Relations

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- Carole A. Pomarico** *Assistant Professor of Nursing*
B.S.N., Carlow College; M.S.N., University of Pittsburgh
- Penelope Post** *Assistant Professor of Fine Arts*
A.B., Radcliffe College; M.Ed., Harvard University; M.A., Yale University
- Aldo Pulito** *Assistant Professor of Chemistry*
B.S., Trinity College; B.S., Virginia Polytechnic Institute;
Ph.D., University of Connecticut
- David A. Quinn** *Assistant Professor of Business Administration*
A.B., College of the Holy Cross;
M.B.A., Wharton School of Finance; C.P.A., New York
- Rev. Albert F. Reddy, S.J.** *Assistant Professor of English*
A.B., M.A., Boston College; M.A., Middlebury University;
S.T.L., Weston College; Ph.D., University of Massachusetts
- Mariann S. Regan** *Assistant Professor of English*
A.B., Duke University; M.A., Ph.D., Yale University
- Richard J. Regan** *Assistant Professor of English*
A.B., College of the Holy Cross; M.A., Ph.D., University of Connecticut
- Frank J. Rice** *Associate Professor of Biology*
B.S., Colorado State University; M.S., University of Wyoming;
Gh. L., University of Missouri
- Arthur R. Riel, Jr.** *Professor of English*
A.B., College of the Holy Cross; M.A., Boston University
- Nicholas M. Rinaldi** *Professor of English*
A.B., Loyola (N. Y.) College; M.A., Ph.D., Fordham University
- Rev. James W. Ring, S.J.** *Associate Professor of Physics*
A.B., M.A., M.S., Boston College; S.T.L., Weston College
- Vincent J. Rosivach** *Associate Professor of Classics*
A.B., M.A., Ph.D., Fordham University

FAIRFIELD UNIVERSITY

- Donald J. Ross** *Professor of Biology*
B.S., Fordham University; M.S., Boston College; Ph.D., Fordham University
- Rev. John W. Ryan, S.J.** *Professor of English*
A.B., A.M., Boston College; A.M., Harvard University;
S.T.L., Weston College
- W. Ronald Salafia** *Associate Professor of Psychology*
B.S., Loyola College; M.A., Ph. L., Fordham University
- Jane L. Sax** *Instructor in Fine Arts*
A.B., Sarah Lawrence College; M.F.A., University of the Americas (Mexico)
- Helene L. Scher** *Assistant Professor of Modern Language*
B.A., University of Michigan; M.A., Ph.D., Yale University
- Rev. Bernard M. Scully, S.J.** *Assistant Professor of Mathematics*
B.S., M.A., Boston College; M.S., Fordham University;
S.T.L., Weston College
- Dorothy B. Shaffer** *Associate Professor of Mathematics*
A.B., Bryn Mawr College; M.A., Ph.D., Radcliffe College
- Randolph P. Shaffner** *Assistant Professor of English*
A.B., M.A., Ph.D., University of North Carolina
- Barbara Sideleau** *Assistant Professor of Nursing*
B.S., University of Bridgeport; M.S.N., Yale University
- Bolesh J. Skutnik** *Assistant Professor of Chemistry*
B.S., Seton Hall University; M.S., Ph.D., Yale University
- Margaret S. Slater** *Assistant Professor of Nursing*
B.S.N., M.P.H., Columbia University
- D. Raymond Stabile** *Assistant Professor of Modern Language*
B.A., M.A., University of Connecticut
- C. Michael Thornburg** *Assistant Professor of Religious Studies*
A.B., M.A., Earlham College; B.D., Episcopal Theological School
- Alexander Tolor** *Professor of Psychology*
Director of Institute of Human Development
A.B., M.A., Ph.D., New York University
- Lik Kuen Tong** *Assistant Professor of Philosophy*
B.S., New York University; Ph.D., New School for Social Research
- Rev. Joseph G. Trinkle, S.J.** *Assistant Professor of Philosophy*
A.B., M.A., Boston College
- Sara van den Berg** *Assistant Professor of English*
A.B., University of Minnesota; M.A., M. Phil., Ph.D., Yale University
- John E. Velazquez** *Assistant Professor of Modern Languages*
B.B.A., M.A., Hofstra University; M.A., New York University
- Joan G. Walters** *Associate Professor of Economics*
A.B., M.A., Ph.D., Radcliffe College
- Robert M. Webster** *Instructor in Modern Language*
A.B., M.A., Middlebury College

FACULTY

Celia Wells

A.B., Meredith College; M.A., Florida State University;
Ph.D., Columbia University

Assistant Professor of English

Rev. Maurice K. Wong, S.J.

B.S., University of Hong Kong; Ph.D., University of Birmingham

Associate Professor of Mathematics

Michael P. Zabinski

B.S., M.S., University of Connecticut; M.S., Ph.D., Yale University

Associate Professor of Physics

LECTURERS

Hartney Arthur

Fine Arts

Walter Blogoslawski

Biology

Donna Brown

English

Alice Cavanaugh

English

Frank De Stefano

History

Elizabeth Dolan

Nursing

Armand Fabbri

Modern Language

Peter Gish

Fine Arts

Harvey Goslee

Business Administration

Rev. John Green

Mathematics

Burton Hatheway

Fine Arts

Nancy Hudson

Nursing

David Lobdell

Biology

Lillian Loveday

Fine Arts

John Merchant

Sociology

Vincent Murphy

Psychology

Elizabeth Mutrux

Fine Arts

Rev. Robert O'Donnell

Religious Studies

Susan Pascucci

English

John Rallo

Modern Language

Manuel Ramos

Modern Language

Laura Ress

English

Jacqueline Rinaldi

English

Bernard Rosenberg

Biology

Inez Ryan

Fine Arts

Hadara Sisay

Modern Language

Blakeman Smith

Biology

Winston Tellis

Business Administration

George Thomas

Education

Byong-Min Tottenham

Anthropology

GENERAL INFORMATION

HISTORY

In the Spring of 1942 Fairfield College of St. Robert Bellarmine, Inc., purchased two adjoining estates in the town of Fairfield for the purpose of establishing an institution of higher learning.

On September 8, 1942, Fairfield College-Preparatory School opened classes in a four-year program. Three hundred and nineteen students were admitted; within about six years the enrollment had risen to almost one thousand.

On May 29, 1945, by special act of the General Assembly of the State of Connecticut signed by His Excellency, Governor Raymond E. Baldwin, an absolute charter was granted to Fairfield University of Saint Robert Bellarmine, Incorporated, empowering it to "... establish, organize, maintain and conduct an institution of intermediate, secondary, undergraduate and graduate education in the State of Connecticut ... to confer all such academic degrees as are usually given in colleges and universities."

The College of Arts and Sciences admitted its first class of three hundred and three students in freshmen year on September 26, 1947. A new class was received each successive year, and the first commencement was held in June, 1951.

The first Summer Session of undergraduate courses was held in 1949, and the program was broadened to include the graduate courses in Education in the session of 1950.

The program of graduate courses preparing for the Master of Arts degree in Education was established on the university campus in the spring semester of 1950.

A graduate program in Communications began in 1966.

In September 1970 the college admitted women to all undergraduate programs and a program in Nursing was established to grant the bachelor's degree for a four year course of studies.

The Center for Lifetime Learning offered its first courses in September 1972 and accepted students for the baccalaureate one year later.

ACCREDITATION

The College of Arts and Sciences was accredited by the State Board of Education of Connecticut in the summer of 1949. In June of the following year the same body approved Fairfield University's education program for teacher certification on the secondary level, and likewise accredited the graduate programs leading to the Master of Arts degree in Elementary and Secondary Administration, Supervision and Guidance.

In January, 1951, the Bar Examining Committee of the State of Connecticut officially approved the undergraduate curricula of Fairfield University as preparation for law school. In February, 1952, the New York State Education Department, acting for the New York Board of Regents, registered the same curricula in their office of higher education, thus approving them as preparation for graduate and professional schools within that state.

In December, 1953, Fairfield University was admitted to fully accredited membership in the New England Association of Colleges and Secondary Schools and granted continuing membership in December 1967. In January 1954, the University was admitted to the Association of American Colleges. In February, 1954, Fairfield was voted institutional membership in the American Council on Education.

The American Chemical Society granted its formal approval to the chemistry program in the Spring of 1963.

GENERAL INFORMATION

Fairfield University is registered with The National Commission on Accrediting and is a member of The National Catholic Educational Association and Association of Jesuit Colleges and Universities. The Faculty is affiliated with American Academy of Political and Social Science, American Accounting Association, American Association for the Advancement of Science, American Association of Collegiate Registrars and Admissions Officers, American Association of Jesuit Scientists (Eastern States Division), American Association of Physics Teachers, American Association of School Administrators, American Association of University Professors, American Catholic Philosophical Association, American Chemical Association, American College Personnel Association, American Historical Association, American Institute of Biological Sciences, American Institute of Accountants, American Institute of Physics, American Library Association, American Marketing Association, American Mathematics Society, American Optical Association, American Personnel and Guidance Association, American Philosophical Association, American Physical Society, American Society of Aesthetics, American Sociological Society, Association of Modern Language Teachers, College English Association, Connecticut Council Higher Education, Connecticut Council on Teacher Education, Connecticut Library Association, Connecticut Society C. P. A., Jesuit Philosophical Association, Mathematical Association of America, Medieval Academy of America, Metaphysical Society of America, Modern Language Association, National Association of Accountants, National Education Association, Society for the Advancement of Management and other learned Societies.

CAMPUS

Fairfield University's campus, comprising more than 200 acres, is endowed with exceptional natural beauty. From an elevation of 180 feet and at a distance of two miles, it commands a broad view of Long Island Sound.

Its nineteen buildings provide residence halls for more than 1500 students and the Jesuit community. Classrooms, general and special laboratories and faculty offices are complemented by library and computer facilities. The Campus Center, gymnasium and theater serve the University community as well as the communities around the campus.

LIBRARY

To perform its functions adequately, a library must possess sufficient resources and provide efficient service. The new Fairfield University Library building allows for future expansion of the library's collections, and provides study space, primarily at individual carrels, for nearly six hundred students.

More than 245,000 carefully selected books, microform titles, and bound periodicals are available for study and research. The spacious reference area contains both older, standard works and valuable new sources of information. More than 1100 current periodicals are at hand to keep faculty and students fully informed on current developments in all fields. A substantial circulating collection of phonograph records is also provided.

A library exists for service. At Fairfield we take pride in the type of service that we offer to the entire University community. To stimulate interest in books and reading, the stacks are open to all students. During college terms, the library is open Monday through Friday from 8:30 A.M. to 11:00 P.M., on Saturday from 9:00 A.M. to 5:00 P.M., and on Sunday from 1:00 P.M. to 11:00 P.M. University vacation and holiday hours are posted in advance.

EDUCATIONAL POLICY

SYSTEM OF EDUCATION

Fairfield University is an academic institution established by the Jesuit Fathers whose primary objective is the development of the creative intellectual potential of its students within a context of religious commitment.

This it does by providing:

- a respect for truth as the driving force of its community.

- freedom of inquiry on all levels as the best means for attaining truth.

- a humanistic and socially conscious environment as the setting for the learning, maturing and experiencing community. It welcomes all persons regardless of race, color or creed who wish to actively participate in its community.

Fairfield believes in the particular excellence of a liberal arts education and in achieving this objective offers its students a carefully designed selection of liberal arts courses. Courses in each curriculum are drawn from history, languages, mathematics, physical and social sciences, philosophy and theology. Each curriculum provides as well a liberalized introduction to special areas of learning, selected by the student, and provides for the undergraduate's advancement into scholarly or professional studies.

Its ultimate faith in truth as the standard for a university finds application in a dedication to absolute freedom of inquiry, through promotion of a dialogue and concern for the crucial issues of our age.

RELIGION

Fairfield University, as any educational institution, is primarily devoted to the intellectual development of its students. Since this process is carried out in a larger social context, its religious commitment colors its interests and its environment for living.

Participation in this educational process with its opportunities, formal and informal, for developing new concepts and examining accepted ideas critically involves inevitably a continuing dialogue and the educational experience of learning to live cooperatively with persons of differing views.

This participation is specified by a number of academic and extra-academic opportunities for religious growth. Several departments offer courses directly relevant to Christianity and to other world religions. Catholic students may further explore and express their Christian commitment through participation in many liturgical events, retreats, and social action. Members of the Jesuit faculty are readily available for counseling and spiritual guidance. Protestant and Jewish students have similar opportunities. They are encouraged to deepen the understanding of their own faith through participation in theology courses taught in their own tradition and in extra-academic activities. Protestant and Jewish chaplains are available for consultation on campus. Thus a new ecumenical opportunity is afforded to all students to share their experiences and develop new insights in the mystery and life of religion.

There are no compulsory religious exercises required of any student, but all are encouraged to express their faith freely and openly—and the University strives to provide the resources to make this possible.

GUIDANCE

Spiritual and Moral Guidance

The principles which the student learns in theology and philosophy he must apply to the concrete circumstances of his own life and eternal salvation. Should he have doubts or meet difficulties, as often happens, in making that application, Counselors are ready to assist him. Students are free to seek counsel in personal, spiritual, or moral matters from any member of the Faculty, a large number of whom are priests.

Vocational, Educational and Personal Guidance

Entering students are introduced to the University through a program of orientation for incoming freshmen and transfer students arranged by the Office of Student Services. Also at this time each student is assigned to a Faculty Adviser whose function it is to meet regularly with the student, explain test results to him, offer appropriate counsel, watch month to month achievement, and in general to offer his services to help the student make the necessary adjustments to college life and assure him of academic success. Full-time clinical psychologists are available in the Office of Psychological Services to provide any help necessary in personal direction, testing, study skills or problems of adjustment.

Guidance procedures include test interpretation interviews, educational guidance, vocational counseling, diagnostic testing, and improved reading and study skills programs. Students are invited to avail themselves of these various services, especially when they have reason to believe that some deficiency exists. Participation is on a purely voluntary basis, and it is up to the student to take advantage of the services offered.

Educational counseling and direction are entrusted to the academic Deans who approve all changes in programs or courses.

PLACEMENT OFFICE

Vocational guidance and orientation are regarded as a preliminary and important step to Placement. Located in Campion Hall, this office makes every effort to help the student with his placement problems, whether on a part-time or a full-time basis. Early in the second semester, and at other times by special arrangement, interviews with representatives of leading organizations and industries are arranged for the students who are interested. It is very important therefore, for students to register with this office early in their senior year, and, where necessary, to take advantage of the vocational guidance services in their sophomore and junior years. The Guidance and Placement Offices were created by the University for its students. Students are invited to take advantage of these services. The service of the Placement Office is also available to Alumni. It is here that the vocational library and reading room is located and students are invited to make use of these facilities, particularly when they are faced with the problem of a vocational choice.

GRADUATE SCHOLARSHIP COMMITTEE

Fairfield University, through the Graduate Scholarship Committee, directs capable and willing students to graduate scholarships and fellowships and assists students in the attainment of them.

FAIRFIELD UNIVERSITY

THE FACULTY

All members of the Faculty share personally and actively in the responsibility of providing educational, vocational and personal guidance. It is one of the objectives of the schools conducted by the Society of Jesus that the teacher take a personal interest in his students, that we know them individually, and understand their strength and weakness. The tradition perdures at Fairfield; the classes are not large, and opportunities are offered for close cooperation between teacher and student. For this purpose, each member of the Faculty maintains published office hours in the private offices distributed throughout the buildings. At uncounted other times they make themselves available for informal discussions, advice and encouragement.

DISCIPLINE

Both intellectual growth and social harmony require discipline as a necessary condition.

Self discipline, whether intellectual or social, is of course the best form for community living, but it is, of itself, inadequate. When free men join together in a common enterprise, whatever its nature, some external authority is needed to direct and sustain that enterprise as common. In the process of accepting that authority and working in a community the individual can discover the fullest meaning of freedom and fulfillment. This does not mean a begrudging or uncritical heeding of regulations, but rather a voluntary and understanding acceptance of decisions for the good of the whole community.

At Fairfield University the Dean of Student Services has general care of student welfare and of student discipline.

The discipline which he exercises is considerate but firm, especially in matters which affect the good of the student body as a whole and which touch upon the reputation of the University. Nevertheless, the attitude of the Dean of Student Services, as of the rest of the Faculty, is such as to make discipline, as far as possible, the outgrowth of high student morale and an element in the maturing of character. However, the administration reserves the right to dismiss a student or to exercise other disciplinary measures for misconduct either on or off the campus since student misconduct not only reflects on the reputation of the University but is an indication of the general character of the student. Besides explicit offenses mentioned in the Student Handbook, behavior that leads to civil action renders a student liable to collegiate disciplinary action including expulsion.

While the University does not look upon its relations with students as primarily legal, it does guarantee to any student involved in disciplinary action due process and a right to be heard in his own defense.

STUDENT HEALTH

The College Infirmary is located in Loyola Hall. A registered nurse is in residence; a doctor visits the Infirmary daily.

Student Accident and Medical Insurance is required of all students.

GENERAL REGULATIONS

THE ACADEMIC YEAR

The Academic Year begins in early September and ends early in June, with recess periods at Christmas and Easter. It is divided into two semesters, each extending over a period of about eighteen weeks. The semester hour is the unit of instructional credit

The class day begins at 9:00 in the morning, and is divided into class periods of fifty minutes and laboratory periods of one hundred minutes.

ADMISSION

The College of Arts and Sciences admits men and women. Beginning students are admitted in September only. The applicant shall have received his high school diploma from a recognized high school or preparatory school, and he shall have acquired no less than fifteen *units* in college-preparatory studies. The *unit* is commonly understood as a measure of credit assigned for the successful completion of a high school course which meets four or five times each week throughout the year; *college-preparatory* units are those which are usually found in that curriculum of the high school which explicitly prepares for college.

No vocational, commercial, or industrial units are considered to be preparatory to the work of the liberal arts college. Candidates for admission may present entrance units chosen from the following, among which must be at least three units in high school mathematics and at least two units in a foreign language, and one of laboratory science. Candidates for the mathematics and the science programs must present in addition a half unit of credit in Trigonometry.

English	4	Algebra	2
Latin	4	Plane Geometry	1
Greek	2 or 3	Solid Geometry	$\frac{1}{2}$
French	2 or 3	Plane Trigonometry	$\frac{1}{2}$
German	2 or 3	General Science	1
Italian	2 or 3	Biology	1
Spanish	2 or 3	Chemistry	1
Physics	1	Economics	1
History	3	Geography	$\frac{1}{2}$ or 1
Civics	$\frac{1}{2}$ or 1	Law	$\frac{1}{2}$ or 1
Problems of		Astronomy	1
Amer. Democracy	1	Physiography	1
Social Studies	1	Mechanical Drawing	1

In addition to the basic requirements, the applicant must present evidence to indicate his interest in and his competence for college studies. To that end he must submit the complete record of his high school studies, together with the recommendation of his Principal or Headmaster, upon forms which will be supplied by the Director of Admissions. The applicant should normally rank in the upper half of his senior class. All applicants are required to take the College Board Aptitude examinations and three College Board Achievement examinations. The three achievement examinations to be taken are English, mathematics, and a modern foreign language. If an applicant is interested in majoring in a particular science, he is required to take the achievement examination in that science in place of the modern language examination. Candidates for the pre-medical and pre-dental programs are required to take the chemistry achievement examination.

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ADVANCED PLACEMENT AND EARLY ADMISSIONS

In 1952, the College Entrance Examination Board instituted the Advanced Placement Program in order to allow the superior student to advance more rapidly and more richly in his chosen field. Fairfield University policy presupposes that the candidate has pursued, during his senior year in high school, a strictly Freshman-college-level course in the subject in which he seeks advanced placement, and has attained, in the Advanced Placement Test of the College Board program, a test-score acceptable both to the Committee on Admissions and the Chairman of the particular department concerned. The score must never be under a "3", and usually not under a "4". Beyond this, there is no general, fixed policy, since each candidate's record is studied individually, and the decision regarding advanced placement is made on the merit of each individual's record of achievement. The University will also welcome for early admission those superior students who have completed the regular, four-year course at an earlier date.

ADMISSION TO ADVANCED STANDING

Capable students are welcome to transfer to Fairfield University.

Undergraduates of other recognized colleges who apply for admission to Fairfield as transfer students with advanced standing must present an official statement of honorable dismissal, a transcript of their college record, and a marked copy of the college's catalogue, to describe courses completed and offered for transfer credit.

Each candidate will be individually reviewed and a program determined according to his needs and accomplishment.

CLEP EXAMINATION

College Level Examination Program (CLEP) scores above the 50th percentile will be accepted by the University as a satisfactory substitute for college courses. Individual subject examinations will earn advanced placement in that subject.

A superior student who presents the equivalent of five college courses will be granted a semester's advanced standing. The equivalent of ten courses will earn advanced standing of a full year.

ACADEMIC GRADES

- A Excellent: indicates not only high achievement but unusual initiative and creative work.
 - B Above average: intelligent grasp and application of subject matter.
 - C Fair: average attainment.
 - D Indicates attainment below average but passing.
 - E Failure: course must be repeated if student is permitted to remain in attendance.
- A "plus" (+) may be added to grades of B, C or D to indicate work performed at the top of that range.

The grade for each semester course is computed from two independent grades: the first is that for class work based on examinations, quizzes, recitations, and out-of-class assignments submitted throughout the semester; and the second is the grade earned in the comprehensive examination at the close of the semester.

GENERAL REGULATIONS

ACADEMIC PROMOTION

For academic advancement from year to year in good standing, it is not enough that the student merely pass all his courses; he must in addition maintain a quality standard that is computed from "quality points." In each subject a grade of A earns 4 quality points; B+, 3.5 quality points; B, 3 quality points; C+, 2.5 quality points; C, 2 quality points; D, 1 quality point; and a failure, 0 quality points. To determine a weighted quality point average the number of semester-hour credits is multiplied by the quality points earned and the total divided by the number of credits attempted.

For advancement in good standing from Freshman to Sophomore year a student must have a weighted quality point average of 1.6; to advance to Junior year a Q.P. average of 1.9; to Senior year a Q.P. average of 2.0.

These norms must be satisfied by the average of the given year and cumulative average.

RECOMMENDATIONS

Recommendations for graduate or professional schools are not issued to any student who does not achieve a minimum Q.P. average of 2.5.

The Committee on Pre-Medical and Pre-Dental Recommendations determines whether the student has indicated he will succeed in Medical School or Dental School.

DEAN'S LIST

To qualify for the Dean's List a student must have attained a grade of A in three of his courses totaling at least 9 semester hours credit and no grade less than B in his other courses. Second honors are attained for an over-all Q.P. average of 3.25 and no grade less than B.

DEGREE REQUIREMENTS

At the time of graduation, a student will normally have attained a minimum of 120 credits; but no simple accumulation of credits is prescribed nor considered to qualify for a degree at Fairfield. Rather the student is expected to have completed with success all of the assigned courses which constitute the curriculum of his choice.

A Q.P. average of 2.0 is required for graduation.

Honors at graduation are awarded for the following weighted Q.P. averages computed for the four years' work:

Summa cum laude	3.85
Magna cum laude	3.70
Cum laude	3.50

ABSENCES

1. Freshmen and sophomores are expected to attend every scheduled class. Any reasonable absence from class must be explained in writing to the Dean of Student Services no later than three class days after the absence.
2. Excessive cuts from class are those that during a semester exceed twice the number of credits given for the course. Credit may not be given to a student who has incurred an excessive number of cuts in the course.
3. Unless there are serious reasons for absence upon the day of an examination a grade of zero will be given for missed examinations. Permission for make-up tests, examinations and academic obligations unfulfilled because of involuntary

FAIRFIELD UNIVERSITY

absence will be granted by the Academic Dean only. Such tests and examinations must be accomplished within 2 weeks after return to classes. The fee for a final (semester) absentee examination is \$10.00. No reason for the absence, however valid, excuses payment of the fee.

WITHDRAWAL

Any student who withdraws voluntarily will be granted honorable dismissal only under the following conditions:

1. He must not be already liable to dismissal for deficiencies, excessive absence, or misconduct.
2. He must discuss his intention with the Dean, and if so instructed, must submit the request for withdrawal in writing from his parents or guardian.
3. He must have settled all financial accounts with the University.

A student planning to withdraw should consult one of the Academic Deans who will provide him with a form and directions that will clear his status with all interested offices.

When a student is granted honorable dismissal, he may request refund of tuition (but not of special fees) according to the schedule outlined in the University catalogue.

TRANSCRIPTS

Applications for transcripts should be addressed to the Registrar's office and should state the name and address of the official to whom the transcript is to be mailed. In accordance with the general practice of colleges and universities, complete official transcripts are sent directly by the University, not transmitted by the applicant. Transcripts will not be processed during examination and registration periods.

ACADEMIC PROBATION

1. Students who do not maintain the following cumulative Q.P. average are on probation and must remove the probation by work in the summer session to allow advancement to the next year.

Freshman	1.6
Sophomores	1.9
Juniors	2.0

2. A student whose Q.P. average for the semester falls below these levels is on probation.

ACADEMIC FAILURE

Students who incur an academic failure in any of the following classifications will be asked to withdraw from the college:

1. A student who at the end of a semester is deficient in three or more courses.
2. A student who at the end of an academic year is deficient in three or more courses.
3. Students whose cumulative or yearly quality point average falls below the following:

Freshmen	1.4
Sophomores	1.6
Juniors	1.75

4. Students on probation for two consecutive semesters.

Any withdrawal even though approved will be considered a deficiency in determining academic failure.

STUDENT EXPENSES

TUITION AND GENERAL FEES

Matriculation	\$ 10.00	(This fee is not refundable.)
Tuition	\$1100.00	a semester, payable on or before the first day of semester. An acceptance deposit (non-refundable) of \$100.00 is paid on acceptance of the notice of admission: it is credited towards the semester's tuition.
Resident Students:		
Board and Room	\$ 600.00	a semester, payable on or before the first day of the semester.
Room Deposit	\$ 100.00	non-refundable if reservation is voluntarily cancelled. Refunded when graduating or leaving the school.
Health Fee	\$ 25.00	a semester.
Athletic Fee	\$ 10.00	a semester.
Student Activity Fees	\$ 20.00	a year for Student Government.
	\$ 5.00	a year for Student Radio.
Special Fees		
Late Registration	\$ 5.00	
Change of Curriculum	10.00	
Change of Single Course or Section	5.00	
Revised Posting of Academic Record	5.00	
Supplementary Academic Transcript	1.00	
Practice Teaching	25.00	
Commencement	25.00	
Extra course per semester hour	50.00	
Laboratory Fee	20.00	
Fine Arts Materials Fee	20.00	

The trustees of the College reserve the right to change tuition rates and to make additional charges within the College whenever they believe it to be necessary.

All checks are to be made payable to Fairfield University. Deferred payments must be arranged through the Accounting Office. A charge of 1% of the unpaid balance will be made monthly on all balances remaining.

Tuition and other academic fees may be paid through the Tuition Plan, Incorporated and through the Education Funds, Inc. Student loans may also be arranged under terms of the National Defense Act and through the Alumni Fund of the Class of 1951. For information write to the Office of Treasurer, Fairfield University.

REFUND

No refund may be demanded as a matter of right when a student leaves the University without completing the semester in which he was engaged. If, however, his withdrawal is authorized for good cause and if he has honorable dismissal, he may request in writing a refund of tuition, according to the following schedule. General and special fees are not refundable.

Request	Refund
During the first two weeks	80%
During the third week	60%
During the fourth week	40%
During the fifth week	20%
After five weeks	0

THE CURRICULA

CORE CURRICULUM

In each one of the curricula more than one-half of the semester hours credit are in the field of general or liberal education, as explained under a previous title. Much even of what remains in several of the curricula are similarly courses in true liberal education, while in others they are the beginnings of concentrations in specialized fields or in professional training.

Five areas of competence in general education are a part of all curricula and may be met as follows:

AREA I: Mathematics and the Natural Sciences

- (1) 2 semesters of Mathematics. Options: Ma 9-10, 11-12, 13-14. N.B.: One semester of the core mathematics requirement may be satisfied by a course in Logic taken in either the Mathematics or Philosophy Departments.
- (2) 2 semesters of a Natural Science. Options: Bi 81-82; Ch 81-82; Ps 81-82, 85-86, 87-88, 93-94.

AREA II: History and the Social Science

- (1) 2 semesters of History. Options: Hi 15-16
- (2) 2 semesters in one or two of the Social Sciences. Options:
 - (a) Po 10, 11.
 - (b) Py 13-14 or Py 15 and Py 121, 151, or 163.
 - (c) any combination of the following: Ec 11, 12, 112, 124, 141, 177.
 - (d) either any comb. of Soc 11, 12, 111, 131, 152, 182; or So 11 and any upper Division sociology course.

AREA III: Philosophy and Religious Studies.

- (1) 3 semesters of Philosophy. Options: Ph 11, 12, 106.
- (2) 2 semesters of Religious Studies. Options: Rs 10 and any other Rs course.

AREA IV: English and Fine Arts

- (1) 3 semesters of English. Options: En 11-12 (required); En 20, 25, 26, 30, 42, 45, 48, 71, 72, 96.
- (2) 2 semesters of Fine Arts. Options: Any two Fa courses will fulfill the core requirements.
N.B: Fa 161 is a prerequisite for all other music courses except Fa 163-165.
N.B: Science Majors follow program as indicated.

AREA V: Modern Languages and Classics

Required: 2 semesters of intermediate competency, or 4 semesters are necessary if new language is undertaken.

Options: 11-12, 21-22 in Latin, Greek, French, German, Spanish, Italian, Russian, Portuguese, or Fula.
31-32 in French, German, Spanish, or Russian.

BACHELOR OF ARTS

Bachelor of Arts is a liberal arts degree with emphasis on the humanities. Especially capable students with a high-school preparation of four years of Latin are urged to continue their classical studies through two years of college even though they do not intend a classics major.

REFUND

No refund may be demanded as a matter of right when a student leaves the University without completing the semester in which he was engaged. If, however, his withdrawal is authorized for good cause and if he has honorable dismissal, he may request in writing a refund of tuition, according to the following schedule. General and special fees are not refundable.

Request	Refund
During the first two weeks	80%
During the third week	60%
During the fourth week	40%
During the fifth week	20%
After five weeks	0

THE CURRICULA

CORE CURRICULUM

In each one of the curricula more than one-half of the semester hours credit are in the field of general or liberal education, as explained under a previous title. Much even of what remains in several of the curricula are similarly courses in true liberal education, while in others they are the beginnings of concentrations in specialized fields or in professional training.

Five areas of competence in general education are a part of all curricula and may be met as follows:

AREA I: Mathematics and the Natural Sciences

- (1) 2 semesters of Mathematics. Options: Ma 9-10, 11-12, 13-14. N.B.: One semester of the core mathematics requirement may be satisfied by a course in Logic taken in either the Mathematics or Philosophy Departments.
- (2) 2 semesters of a Natural Science. Options: Bi 81-82; Ch 81-82; Ps 81-82, 85-86, 87-88, 93-94.

AREA II: History and the Social Science

- (1) 2 semesters of History. Options: Hi 15-16
- (2) 2 semesters in one or two of the Social Sciences. Options:
 - (a) Po 10, 11.
 - (b) Py 13-14 or Py 15 and Py 121, 151, or 163.
 - (c) any combination of the following: Ec 11, 12, 112, 124, 141, 177.
 - (d) either any comb. of Soc 11, 12, 111, 131, 152, 182; or So 11 and any upper Division sociology course.

AREA III: Philosophy and Religious Studies.

- (1) 3 semesters of Philosophy. Options: Ph 11, 12, 106.
- (2) 2 semesters of Religious Studies. Options: Rs 10 and any other Rs course.

AREA IV: English and Fine Arts

- (1) 3 semesters of English. Options: En 11-12 (required); En 20, 25, 26, 30, 42, 45, 48, 71, 72, 96.
- (2) 2 semesters of Fine Arts. Options: Any two Fa courses will fulfill the core requirements.
N.B: Fa 161 is a prerequisite for all other music courses except Fa 163-165.
N.B: Science Majors follow program as indicated.

AREA V: Modern Languages and Classics

Required: 2 semesters of intermediate competency, or 4 semesters are necessary if new language is undertaken.

Options: 11-12, 21-22 in Latin, Greek, French, German, Spanish, Italian, Russian, Portuguese, or Fula.
31-32 in French, German, Spanish, or Russian.

BACHELOR OF ARTS

Bachelor of Arts is a liberal arts degree with emphasis on the humanities. Especially capable students with a high-school preparation of four years of Latin are urged to continue their classical studies through two years of college even though they do not intend a classics major.

FAIRFIELD UNIVERSITY

Major concentrations in this degree program may be in classics, philosophy, theology, English, modern languages, economics, politics, history, education, sociology, psychology and fine arts.

BACHELOR OF SCIENCE

The *Bachelor of Science* program offers major concentrations in biology, chemistry, physics, psychology, mathematics, and business administration. The concentration in biology provides well beyond the minimum in technical subjects recommended by the Association of American Medical Colleges for admission to medical school. The program in business administration allows for concentrations in accounting, finance, industrial management and marketing. The accounting program fulfills the educational requirements for Certified Public Accountants in most of the states including New York and Connecticut, and thereby prepares the student for both public and private accounting.

The University is concerned to provide in the program a solid core of liberal studies, intended to develop the man and the citizen, as well as studies directed to scientific comprehension of a high order as a foundation for further graduate and professional training or immediate use in industry.

COOPERATIVE PROGRAM IN ENGINEERING

The University has introduced a new five year engineering program in cooperation with the University of Connecticut that will place emphasis upon both the liberal arts and technical preparation for professional careers.

SCHOOL OF NURSING

The School of Nursing offers a curriculum leading to the Bachelor of Science degree with a major in nursing. This curriculum is designed to provide the opportunity for qualified individuals to prepare for professional practice in beginning positions, to provide the foundation for continued formal study in nursing, and to enhance growth toward maturity as individuals, citizens, and as professionals. Graduates of this program are eligible for examination for licensure as registered nurses and may advance without further formal education to positions which require beginning administrative skills.

THE CHOICE OF A CURRICULUM

The following pages describe the various curricula. It is to be noted that in each curriculum the proper work of the Major, or field of specialization, is concentrated in the Junior and Senior years: where preparatory courses are needed they are taken in the Freshman and/or Sophomore year. For the student who desires a curriculum involving an ordered sequence of courses (Natural Sciences, Accounting, Mathematics) the initial choice of program is advantageous: for the student who is not so determined it should be noted the Freshman and Sophomore courses provide a solid basis and background for his subsequent decision to major in such areas as Economics, English, History and Languages. The major in Education, Government, Sociology, Psychology, Industrial Management and Marketing, should usually elect his curriculum at the beginning of the Sophomore year.

Courses Available at Bridgeport and Sacred Heart Universities

Under a reciprocal agreement full-time students at the University of Bridgeport, Fairfield University and Sacred Heart University may take certain courses at any one

of the institutions without payment of any additional fees other than those paid to the matriculating institution, providing:

1. The course is not currently offered by Fairfield University,
2. It is on an approved list indicating its availability to Fairfield University students,
3. The student has prior permission to take the course from his Dean, and
4. Tuition commitments have been met in full at Fairfield University.
5. Students are expected to observe all regulations of the host institution.

BACHELOR OF ARTS

	Semester Hours			Semester Hours	
	Fall	Spring		Fall	Spring
Freshman Year			Junior Year		
English (En 11-12)	3	3	Science	3	3
History (Hi 15-16)	3	3	Major (four courses)	6	6
Foreign Language	3	3	Social Studies elective	3	3
Philosophy - Religious			Electives	3	3
Studies	3	3			
Mathematics	3	3	Senior Year		
Sophomore Year			Major (four courses)	6	6
Philosophy	3	3	Fine Arts-Elective	3	3
English - Religious Studies	3	3	Electives (four courses)	6	6
Major	3	3			
Fine Arts-Elective	3	3			
Electives (or language)	3	3			

BACHELOR OF ARTS With Classics

	Semester Hours			Semester Hours	
	Fall	Spring		Fall	Spring
Freshman Year			Junior Year		
Latin	3	3	Science	3	3
Greek	3	3	Major (four courses)	6	6
English (En 11-12)	3	3	Social Studies Elective	3	3
Philosophy (Ph 11-12)	3	3	Electives	3	3
Religious Studies			Senior Year		
(RS10-Option)	3	3	Major (four courses)	6	6
Sophomore Year			Electives (six courses)	9	9
Latin	3	3			
Greek	3	3			
Philosophy-Elective	3	3			
Major	3	3			
Electives	3	3			

Note: four semester courses will be chosen as elective from History, Language or Fine Arts.

BACHELOR OF SCIENCE Major in Psychology

	Semester Hours			Semester Hours	
	Fall	Spring		Fall	Spring
Freshman Year			Junior Year		
Chemistry (Ch 11-12)	4	4	Psychology (four courses)	6	6
Mathematics (Ma 13-14)	3	3	Psychology - Fine Arts	3	3
Psychology (Psy 11-12)	3	3	Philosophy - Religious		
English (En 11-12)	3	3	Studies	3	3
Foreign Language	3	3	Electives	3	3
Sophomore Year			Senior Year		
Biology (Bi 83-84)	3	3	Psychology	3	3
Psychology (four courses)	6	6	History	3	3
Philosophy (Ph 11-12)	3	3	Electives (six courses)	9	9
English - Religious Studies	3	3			

BACHELOR OF ARTS & BACHELOR OF SCIENCE Major in Engineering

	Semester Hours			Semester Hours	
	Fall	Spring		Fall	Spring
Freshman Year			Junior Year		
Physics (Ps 15-16)	3	3	Physics - Elective	4	3
Physics laboratory	1	1	Chemistry (Ch 15-16)	5	5
Mathematics (Ma 17-18)	4	4	Mathematics	3	3
English (En 11-12)	3	3	History	3	3
Philosophy (Ph 11-12)	3	3	Electives	3	3
Religious Studies (RS 10-Option)	3	3			
Sophomore Year					
Engineering	3	3			
Mathematics (Ma 23-24)	3	3			
Social Studies					
- Engineering	3	3			
English - Philosophy	3	3			
Electives	3	3			

The student who completes this program in satisfactory standing will then transfer to the School of Engineering of the University of Connecticut at Storrs, Connecticut, where he will enroll as a Junior. He will have the option of entering one of the following branches of Engineering:

- Chemical Engineering
- Civil Engineering
- Electrical Engineering
- Mechanical Engineering

At the completion of this 5-year program he will receive a Bachelor of Arts degree from Fairfield University and a Bachelor of Science degree in Engineering from the University of Connecticut.

BACHELOR OF SCIENCE Major in Biology

	Semester Hours			Semester Hours	
	Fall	Spring		Fall	Spring
Freshman Year			Junior Year		
Biology (Bi 11-12)	5	5	Biology	4	4
Chemistry (Ch 11-12)	4	4	English - Philosophy	3	3
Mathematics (Ma 13-14)	3	3	Social Studies Electives	3	3
Philosophy - Religious			Electives	3	3
Studies	3	3	Chemistry (Ch 22-24)	4	4
Foreign Language	3	3			
Sophomore Year			Senior Year		
Chemistry (Ch 111-112)	5	5	Biology	3	3
Physics (Ps 83-84)	4	4	History	3	3
Biology (Bi 121-160)	3	3	Fine Arts - Elective	3	3
English (En 11-12)	3	3	Electives (four courses)	6	6
Philosophy-Religious					
Studies	3	3			

BACHELOR OF SCIENCE Major in Chemistry

	Semester Hours			Semester Hours	
	Fall	Spring		Fall	Spring
Freshman Year			Junior Year		
Chemistry (Ch 15-16)	4	4	Chemistry (four courses)	8	8
Mathematics (Ma 17-18)	4	4	Social Studies Electives	3	3
English (En 11-12)	3	3	Philosophy - Religious		
Philosophy - Religious			Studies	3	3
Studies	3	3	Electives	3	3
Foreign Language	3	3			
Sophomore Year			Senior Year		
Chemistry (Ch 111-112)	5	5	Chemistry (four courses)	8	6
Physics (Ps 15-16)	4	4	History	3	3
Mathematics (Ma 23-24)	3	3	Electives (four courses)	6	6
English - Philosophy	3	3			
Fine Arts-Elective	3	3			

BACHELOR OF SCIENCE Major in Physics

	Semester Hours			Semester Hours	
	Fall	Spring		Fall	Spring
Freshman Year			Junior Year		
Physics (Ps 15-16)	3	3	Physics	5	4
Physics Laboratory	1	1	Chemistry (Ch 15-16)	4	4
Mathematics (Ma 17-18)	4	4	Mathematics	3	3
English (En 11-12)	3	3	Philosophy - Religious		
Philosophy - Religious			Studies	3	3
Studies	3	3	Elective	3	3
Foreign Language	3	3			
Sophomore Year			Senior Year		
Physics (four courses)	8	8	Physics	8	9
Mathematics (Ma 23-24)	3	3	History	3	3
English - Philosophy	3	3	Fine Arts-Elective	3	3
Social Studies Elective	3	3	Electives	3	3

BACHELOR OF SCIENCE Major in Mathematics

	Semester Hours			Semester Hours	
	Fall	Spring		Fall	Spring
Freshman Year			Junior Year		
Mathematics (Ma 15-16)	4	4	Mathematics		
English (En 11-12)	3	3	(four courses)	6	6
Foreign Language	3	3	Social Studies Electives	3	3
Philosophy (Ph 11-12)	3	3	Fine Arts-Elective	3	3
Religious Studies			Electives	3	3
(RS 10 - Option)	3	3			
Sophomore Year			Senior Year		
Mathematics			Mathematics		
(four courses)	5	6	(four courses)	6	6
Physics (Ps 15-16)	4	4	History	3	3
English - Philosophy	3	3	Fine Arts-Elective	3	3
Electives	3	3	Electives	3	3

BACHELOR OF SCIENCE Major in Accounting

	Semester Hours			Semester Hours	
	Fall	Spring		Fall	Spring
Freshman Year			Junior Year		
Accounting (Ac 11-12)	3	3	Accounting	3	3
English (En 11-12)	3	3	Business (four courses)	6	6
Mathematics (Ma 11-12)	3	3	Science	3	3
Philosophy - Religious Studies	3	3	Social Studies (Ec 11-12)	3	3
Foreign Language	3	3	Senior Year		
Sophomore Year			Accounting (four courses)	6	6
Accounting (Ac 21-22)	3	3	Business	3	3
History (Hi 15-16)	3	3	Business-Elective	3	3
English - Philosophy	3	3	Electives	3	3
Philosophy - Religious Studies	3	3			
Electives	3	3			

BACHELOR OF SCIENCE Major in Finance

	Semester Hours			Semester Hours	
	Fall	Spring		Fall	Spring
Freshman Year			Junior Year		
Accounting (Ac 11-12)	3	3	Business (four courses)	6	6
English (En 11-12)	3	3	Social Studies (Ec. 11-12)	3	3
Mathematics (Ma 11-12)	3	3	Science	3	3
Philosophy - Religious Studies	3	3	Electives	3	3
Foreign Language	3	3	Senior Year		
Sophomore Year			Business (four courses)	6	6
Accounting - Business	3	3	Accounting	3	3
History (Hi 15-16)	3	3	Economics-Elective	3	3
English - Philosophy	3	3	Electives	3	3
Philosophy - Religious Studies	3	3			
Electives	3	3			

BACHELOR OF SCIENCE Major in Management

	Semester Hours			Semester Hours	
	Fall	Spring		Fall	Spring
Freshman Year			Junior Year		
Accounting (Ac 11-12)	3	3	Business (four courses)	6	6
English (En 11-12)	3	3	Social Studies		
Mathematics (Ma 11-12)	3	3	(Ec 11-12)	3	3
Philosophy - Religious			Science	3	3
Studies	3	3	Electives	3	3
Foreign Language	3	3			
Sophomore Year			Senior Year		
Accounting - Elective	3	3	Business (four courses)	6	6
History (Hi 15-16)	3	3	Business - Elective	3	3
English - Philosophy	3	3	Electives (four courses)	6	6
Philosophy - Religious					
Studies	3	3			
Electives	3	3			

BACHELOR OF SCIENCE Major in Marketing

	Semester Hours			Semester Hours	
	Fall	Spring		Fall	Spring
Freshman Year			Junior Year		
Accounting (Ac 11-12)	3	3	Business	3	3
English (En 11-12)	3	3	Business - Elective	3	3
Mathematics (Ma 11-12)	3	3	Social Studies (Ec 11-12)	3	3
Philosophy - Religious			Science	3	3
Studies	3	3	Electives	3	3
Foreign Language	3	3			
Sophomore Year			Senior Year		
Business	3	3	Business (four courses)	6	6
History (Hi 15-16)	3	3	Business - Elective	3	3
English - Philosophy	3	3	Electives (four courses)	6	6
Philosophy - Religious					
Studies	3	3			
Electives	3	3			

BACHELOR OF SCIENCE Major in Nursing

	Semester Hours			Semester Hours	
Freshman Year	Fall	Spring	Junior Year	Fall	Spring
Chemistry	3	3	English - Psychology	3	3
Psychology	3	3	History	3	3
Philosophy (Ph 11-12)	3	3	Nursing	7	7
Mathematics (Ma 11-12)	3	3	Elective	3	3
English (En 11-12)	3	3			
Nursing	2	2	Senior Year		
			Nursing	15	5
Sophomore Year			Philosophy		3
Psychology -			Fine Arts		3
Microbiology	3	3	Electives		6
Biology	4	4			
Religious Studies	3	3			
Sociology	3	3			
Nursing	4	4			

COURSE DESCRIPTIONS

DEPARTMENT OF BUSINESS ADMINISTRATION

Professor: Fitzpatrick, T. (Chairman)

Associate Professors: Barbano, O'Brien

Assistant Professors: Cavallo, Kunsch, Mehta, Peters, Quinn

Lecturers: Goslee, Tellis

The Department of Business Administration provides the student with a broad and well balanced education, while preparing him to continue in graduate studies or to effectively pursue a career in business, industry, or government.

A core of nine courses is required of all business majors. It consists of:

Ac	11-12	Principles of Accounting
Ec	11-12	Principles of Economics
Bu	103	Data Processing
Bu	162	Business Statistics
Bu	111-112	Business Law
Bu	183	Business Communications

1. ACCOUNTING

Ac 11 Principles of Accounting

An introductory course to acquaint the student with the functions of bookkeeping and accounting and with their importance in modern industry. The subject matter includes: theory of debit and credit, classification of accounts, the bookkeeping and accounting cycle from the special books of original entry through the preparation of financial statements for the single proprietorship form of business organization.

3 semester hours

Ac 12 Principles of Accounting

A continuation of Accounting 11, placing emphasis on accounting for partnerships, corporations and manufacturers. The subject matter includes: the voucher register, tax accounting, partnership and corporation formation, operation, sale, dissolution and liquidation, the elements of manufacturing cost, trading and manufacturing operations, sales and consignments and interpretation of financial and operating statements.

3 semester hours

Ac 21 Intermediate Accounting

Studies the measuring and reporting of accounting income, significance of the balance sheet, planning and control of cash, receivables, inventories, property plant and equipment, analysis of fund flows and the measuring of performance.

3 semester hours

BUSINESS ADMINISTRATION

Ac 22 Intermediate Accounting

This course emphasizes accounting techniques and periodic procedure involved with working papers, locating and correcting errors, preparation of statements from incomplete data, valuation of receivables, inventories, property plant and equipment, and intangible assets. *3 semester hours*

Ac 101 Advanced Accounting

This course broadens and intensifies the student's knowledge of accounting by exposing him to many different situations, and demonstrating to him the ways in which accounting concepts are operative in a variety of applications. Topics include business combinations, consolidated statements, fund accounting, government accounting, liquidations, and installment sales with emphasis on the conglomerate. *3 semester hours*

Ac 111 Cost Accounting

A study of costs for managerial planning and control as well as for financial statement purposes. The course is designed to develop the student's ability to analyze, to identify relevant factors, and to deal with accounting information for decision-making purposes. Topics include cost behavior, volume/profit relationships and various costs systems. *3 semester hours*

Ac 113 Managerial Accounting

Managerial Accounting is devoted to the use of accounting statements and records rather than their composition. Topics covered are: Accountants' interpretation of financial data, price level changes, flow of funds, industrial accounting, cumulative cost concepts and application, budgets, and decision making theory. *3 semester hours*

Ac 131 Auditing

The objects of this course are the theory and practice of interpretation and verification of books of account in determination of financial condition and operating results. The student is required to complete an auditing Practice Case. *3 semester hours*

Ac 134 Management Information Systems

A course designed to study management planning and control by means of information systems. Topics covered are an introduction to the theory of information systems, the information needs of various departmental managers, the accounting techniques used and the behavioral impact of information systems. *3 semester hours*

Ac 135 Contemporary Issues and Problems in Accounting

A seminar in accounting issues of the day. The topics covered include the latest AICPA Accounting Principles Board Opinions, as well as important topics of research. *3 semester hours*

Ac 161 Taxation

This course covers accounting problems encountered in and the laws applicable to Federal tax returns. Topics include: nature of taxable and nontaxable income, allowable and non-allowable business and personal deductions, capital gains and losses, estate and gift taxes. The emphasis is on basic problems, timing transactions and different taxable entities and tax effects of business decisions. *3 semester hours*

Ac 197-198 Seminar in Accounting and Business

A special program involving independent study and research offered only to qualified and recommended seniors. *6 semester hours*

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II. BUSINESS

Bu 103 Introduction to Data Processing

A general orientation to the stored program computer and the impact which computers have had, are having and may be expected to have on managers and on the environment in which managers work. The student takes a course in the fundamentals on the computer, learns the APL programming language on the computer and programs a problem in APL.

3 semester hours

Bu 104 Labor Economics

See Economics 124.

3 semester hours

Bu 111 Business Law I

A study of legal principles particularly applicable to business, including a brief survey of legal history, court systems and procedures, distinctions between contracts, torts and crimes, and a detailed analysis of the law of contracts. The text method is supplemented by references to particular cases and to applicable statutes including the Uniform Commercial Code.

3 semester hours

Bu 112 Business Law II

A continuation of Business Law I with a detailed study of the law of assignment, agency and negotiable instruments. The method of study is the same as that followed in Business Law I.

Prerequisite: Business Law I

3 semester hours

Bu 121 Business Organization and Management

An introductory course involving the principles, functions, practices and problems confronting management in the organizational environment. Topics include free enterprise, government regulation, operations and administration of firm resources, forecasting, management sciences, leadership, behavioral sciences, and administrative tools that assist problem solving and decision making. Applications to current cases will constitute a major portion of the course.

3 semester hours

Bu 122 Production Management

An analysis of the organization, administration and control of production functions in an industrial setting. Included are forecasting, inventory control, network analysis, automation, systems management, management sciences, research and development, time and motion study, product design and process design as they affect production. Cases of actual problems are treated.

3 semester hours

Bu 124 Quantitative Analysis

An analysis of mathematical and statistical techniques in business decision making; probability concepts, conditional and expected value, exponential smoothing for inventories, process limits in Quality Control, waiting lines and simulation.

3 semester hours

Bu 125 Personnel Management

Emphasizes the administration of the work force as part of the total management system. Topics discussed are theories, policies and practices in manpower management for recruitment, selection, training, promotion, discharge, appraisal of employee performance, incentives, wage and salary administration, job evaluation and work attitudes. Public policy on labor legislation, strikes, collective bargaining, mediation, arbitration, negotiation and contract administration are treated with emphasis on the case method of research.

3 semester hours

BUSINESS ADMINISTRATION

Bu 126 Management of Human Resources

The social sciences are integrated with management theory in a behavioral and interdisciplinary approach to understand human behavior in an organization. Problems and conflicts are treated in leadership, formal and informal organizations, group interactions, unions and bargaining, grievance systems, communications, morale, motivation, status, discipline and discrimination as they impose on employment situations. Extensive discussions of actual cases are used.

3 semester hours

Bu 132 Applied Psychology

See Psychology 132.

3 semester hours

Bu 141 Marketing

With the consumer as the focal point, this course studies the fundamental functions of marketing involving the activities that affect the flow of goods and services from producer to consumer. Methods, policies and problems of the Marketing Manager are reviewed through analysis of channels of distribution, price policies, competitive strategies and market information. Attention is given to the role of marketing in the economy and its place in the firm.

3 semester hours

Bu 142 Consumer Behavior

This course is designed to provide the student with a basic understanding of the behavior of consumers in the marketplace. An interdisciplinary approach is used employing concepts from such fields as economics, psychology, social psychology, sociology, and psychoanalysis. Among the many topics covered are motivation, cognition learning, habit formation and post-transactional behavior.

3 semester hours

Bu 143 Marketing Research

The methods of research and analysis in the solution of marketing problems: defining the problem, sources of information, methods of carrying on research, analysis of data, proper presentation of results.

3 semester hours

Bu 144 Marketing Seminar

A seminar course which seeks to integrate all of the student's prior marketing education. Discussion of current marketing literature, term assignments, case studies. Computer simulation games.

3 semester hours

Bu 151 Promotion I

The development of a broad view of the important phases of direct promotion techniques. Specific attention is given to the functions and structures of the sales organization and the proper correlation of these with other areas of the firm. A study of the planning of selling programs and selling campaigns as well as sales territories, sales quotas and the control of sales operations.

3 semester hours

Bu 152 Promotion II

A comprehensive course concerned with the design, management, and evaluation of communications programs in Marketing; studied from the point of view of the Promotion Manager. Topics covered include: advertising, sales promotion and public relations.

3 semester hours

Bu 162 Business Statistics

Nature and importance of statistics; methods of collection, presentation, analysis and interpretation of data; tabular and graphic presentation of data; introduction to

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index numbers; measures of central tendency; measures of dispersion; the normal curve and an introduction to probability; simple linear correlation; use of the calculator in statistics.

3 semester hours

Bu 171 Corporation Finance

A study of the acquisition and administration of the funds of a modern business enterprise. An analysis of the problems involved in procuring permanent capital, choosing a capital structure, administering working capital, as well as such special problems as evaluation, consolidation, or recapitalization and reorganization.

3 semester hours

Bu 172 Principles of Investment

The purpose of the course is to explain the various types of securities; to discuss the recognized tests of safety, yield and marketability; to show the necessity for caution with regard to diversification and management of a fund. Attention is given to analysis and interpretation of financial statements. Practical problems illustrate the principles developed.

3 semester hours

Bu 173 Financial Management

Business 173 studies the sources of and management of the funds required in the operation of a business. Some of the subjects studied are: methods of budgeting funds; controlling investment in assets; cost-volume-profit analysis; control of working capital; cost of capital. The purpose of this course is to enable the student to understand how to analyze and use financial data.

3 semester hours

Bu 174 Cases in Finance

Employing the case method of instruction, this course is concerned with the "Why" rather than the "What can be done" in meeting the financial problem of a business enterprise from the promotional stage through to re-organization or liquidation.

3 semester hours

Bu 183 Business Communication

Designed to improve effective communication and to develop skill in business writing in fields of sales, employment, public relations, credit-collection; and culminating in detailed preparation of a business report and business speeches. Problems of dictation, job advancement and supervision, reading improvement, speaking and listening are also treated.

3 semester hours

Bu 197-198 Seminar in Accounting and Business

A special program involving independent study and research offered only to qualified and recommended seniors.

6 semester hours

DEPARTMENT OF BIOLOGY

Professors: Klimas, Ross

Associate Professors: Combs, Lazaruk, Rice (Chairman)

Assistant Professors: Barone, M., Bongiorno

Lecturers: Blogoslawski, Lobdell, Rosenberg, Stiff, Smith

The curricula in Biology are designed to provide an adequate core of biological, chemical, mathematical and physical courses for those students anticipating careers in

the professions of Biology, Medicine and Dentistry. The Biology major provides more than the minimum in technical subjects recommended by the Association of American Medical Colleges for admission to medical school.

Bi 11 General Botany

An introduction to the field of Biology including a study of the scientific method, the chemical and physical nature of protoplasm, osmosis, the cell, mitosis and meiosis. A phylogenetic survey of the plant kingdom includes a comprehensive consideration of the anatomy and physiology of representative plant types.

3 lectures, 2 laboratory periods

5 semester hours

Bi 12 General Zoology

A classification and phylogenetic survey of the animal kingdom which includes both protozoan and metazoan invertebrates and vertebrates. A systematic study of the anatomy and physiology of representative animal types is considered.

3 lectures, 2 laboratory periods

5 semester hours

Bi 81 General Biology I

An introduction to the study of biology for the non-science major.

The purpose of the course is to familiarize the student with the general biological principles that govern the activities of all living systems. Concepts such as the biochemical origin of life, the scientific method, cellular morphology and physiology, plant and animal adaptations to the environment are presented.

3 lecture-demonstration periods

3 semester hours

Bi 82 General Biology II

A continuation of Bi 81. Man's place in the biosphere forms the central theme of the course. Emphasis is placed on the evolutionary aspects of human biology by a comparison with appropriate forms of plant and animal life.

3 lecture-demonstration periods

3 semester hours

Bi 83 Fundamental Concepts in Biology

A course for psychology majors. A study of the cell, its growth, activities and development; the morphology and physiology of plants and lower animals; heredity, ecology, and evolution.

2 lectures, 1 laboratory period

3 semester hours

Bi 84 Biology of Behavior

A continuation of Biology 83, including a survey of human anatomy and physiology and emphasizing the physico-chemical basis of animal behavior; comparative neuro-anatomy and a consideration of the neural and extraneural aspects of the internal environment in the regulation of behavior.

2 lectures, 1 laboratory period

3 semester hours

Bi 102 Comparative Anatomy of Chordates

A detailed and systematic study of the skeletal, integumentary, muscular, respiratory, urogenital, nervous and endocrine systems with special emphasis on the anatomy of a mammal as compared to the anatomy of the other classes of chordates.

2 lectures, 2 laboratory periods

4 semester hours

Bi 107-108 Human Anatomy and Physiology

This course is recommended for students of nursing, education and liberal arts.

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The course is designed to give familiarity with the anatomy and physiology of body processes with special emphasis on the practical aspects of circulation, respiration, digestion, reproduction, the glands of internal secretion, and including techniques for measuring blood pressure, blood typing and others.

2 lectures, 1 laboratory period a semester

6 semester hours

Bi 111 Cell Physiology

It involves a consideration of the physico-chemical background of vital processes common to all living organisms. Lectures include the application of gas laws, theory of solutions, temperature, pressure, etc. to permeability, energy transformations, bio-electric phenomena, bioluminescence, inhibitor action, cellular ultrastructure, growth and development. The laboratory emphasis is on techniques in cell physiology and biochemistry.

3 lectures, 1 laboratory period

4 semester hours

Bi 112 Vertebrate Physiology

A consideration of homeokinesis in the mammalian organism studied by means of a comprehensive survey of the morphology and physiology of the organ systems of the human body.

3 lectures, 1 laboratory period

4 semester hours

Bi 115 Plant Physiology

A study of plant growth functions with emphasis on metabolism, photosynthesis, nutrition, water relations, plant hormones, and relationship of plants to the environment.

3 lectures, 1 laboratory period

4 semester hours

Offered alternate years.

Bi 121 Genetics

A study of the principles of Mendelian inheritance and modern theories of heredity; and an introduction to experimental, biometrical, and cytological methods. Whenever possible, examples illustrate the practical applications of the fundamental laws of inheritance in the breeding of plants and animals and in human heredity.

3 semester hours

Bi 123 Genetics Laboratory

The laboratory work is designed to illustrate fundamental principles; *Drosophila* breeding and phases of cytology most directly concerned with genetics will be employed.

2 laboratory periods

2 semester hours

Bi 131 Histology

A study of the microscopic anatomy of vertebrate animals; the morphology of cells and their combinations in the various tissues and organs of the body. The structure of cells, tissues and organs is constantly related to their functions in the different vital processes, and to the participation of the fundamental tissues in the formation of organs and systems of organs.

2 lectures, 2 laboratory periods

4 semester hours

Bi 142 Vertebrate Embryology

A course in vertebrate developmental anatomy; the morphology and physiology of the reproductive organs, gametogenesis, segmentation, gastrulation, and the formation of the primary germ layers; a detailed study of the chick embryo from the primitive

streak to the establishment of the organs and systems and a consideration of the 10 mm. pig embryo.

2 lectures, 2 laboratory periods

4 semester hours

Bi 151 Elements of Microbiology

An elementary course in microbiology which aims to show the importance of microorganisms to everyday life. General considerations and applications of this science are discussed with little emphasis on technical and theoretical details. Relationships of microorganisms to foods, sanitation and disease are shown. The laboratory work deals with simple techniques employed in the study of microorganisms.

2 lectures, 1 laboratory period

3 semester hours

Bi 152 Microbiology

A study of the morphology and physiology of microorganisms involving culture and staining methods, biochemical activities and pathogenicity.

3 lectures, 1 laboratory period

4 semester hours

Bi 160 Ecology

The relationships of plants and animals to each other and their environment as studied through the growth of populations, succession, parasitism and predation, life zones and biomes. Native flora and fauna studied both in the laboratory and on field trips.

2 lectures, 1 laboratory period

3 semester hours

Bi 161 Marine Ecology

A study of marine communities and their environment, with special consideration of ecosystems in the sea. The laboratories will be held on the waters of Long Island Sound.

2 lectures, 1 laboratory

3 semester hours

Bi 162 Marine Invertebrate Zoology

A survey of the invertebrate phyla of Long Island Sound, with a study of their classification, biology and ecology. The laboratories will consist of field trips along the shoreline and on the water to collect specimens for identification and study.

2 lectures, 1 laboratory

3 semester hours

Bi 163 Biology of a Coral Reef

A study of a coral reef and its relation to the geological, chemical and physical factors of the ocean. Consideration will also be given to the other type of marine life associated with these reefs. The laboratory portion of the course will be conducted in tropical or sub-tropical waters with the student being responsible for his transportation cost.

2 lectures, 10 day field trip

3 semester hours

Bi 171 Biometrics

A lecture course involving the application of mathematics and statistics to the solution of biological problems and the quantitative treatment of biological data. The principles of computer programming and utilization are stressed.

3 semester hours

Bi 181 Biology of Nonvascular Plants

A study of morphology, ecology, systematics and value to man of the nonvascular

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plants including, identification and classification of the more common and important forms.

3 lectures, 1 laboratory period

4 semester hours

Offered alternate years.

Bi 183 Economic Botany

A consideration of the role of plants in the human environment and in the evolution of civilizations. Emphasis is on the origin of cultivated plants, their utilization in nutrition, housing, clothing, medicine, religion, and the arts.

3 lecture periods

3 semester hours

Offered alternate years.

Bi 196 Special Topics in Biology

The writing of a scholarly paper based upon independent study of a selected topic is required. The research is library rather than laboratory.

2 semester hours

Bi 198 Research

A research thesis, involving laboratory investigation, is required. Students wishing to register for this program must first obtain the consent of the professor supervising research in the area of their interest.

Credit by arrangement

Bi 199 Seminar

Study and discussion of biological research, book reviews, and current periodicals.

2 semester hours

Bi 221 Human Heredity

An introduction to the principles of human inheritance. The mechanism of gamete formation and the chromosomal and biochemical basis of heredity are discussed along with their effects upon changes in the phenotype. An introduction to population genetics, race formation and eugenics is presented. (Not open to students who have had Bi 121).

3 lecture periods

3 semester hours

Bi 222 Population Genetics

This course is designed to provide a theoretical background for studies in evolution, plant and animal improvement. A consideration of the roles of mutation, selection, migration, and population size as factors influencing the genetic constitutions of populations.

3 lecture periods

3 semester hours

Offered in alternate years.

Bi 227 Comparative Reproductive Processes

This course is designed for elementary school teachers. The emphasis is to prepare teachers in family life education. The evolution of the reproductive mechanism from the single cell monera through the protista, metaphyta and metazoa to the mammals below man is discussed in detail (Not open to students who have had Bi 11-12).

2 lecture, 1 laboratory period

3 semester hours

Bi 242 Human Embryology

An introduction to human development. The anatomy and physiology of the reproductive system and gamete formation will be discussed along with segmentation, gastrulation and the formation of the organ systems. (Not open to students who have had Bi 142).

3 lecture periods

3 semester hours

DEPARTMENT OF CHEMISTRY

Professor: Carrano

**Associate Professors: Boggio (Chairman), Elder, Hutchinson,
Lisman, MacDonald, O'Connell**

Assistant Professors: Pulito, Skutnik

The Department provides the basic education in course work and research for the professional chemist; in addition, it presents courses in the science of chemistry for other science and non-science majors.

The major is prepared to enter the field of chemistry immediately or to pursue further study in anticipation of a career as an academic, governmental, or industrial chemist.

The Graduate Record Examination is taken by chemistry majors during Senior year.

The Department is approved by the American Chemical Society.

Ch 11 General Inorganic Chemistry I

The Macroscopic Laws of Chemistry; Atomic & Molecular Weights, The Mole Concept, Avogadro's Number, Stoichiometry. The States of Matter; Gaseous, Liquid, and Solid. Solutions; Methods of Expressing Concentrations, Colligative Properties, Equivalent Weights, Oxidation-Reduction. Chemical Equilibrium and Chemical Kinetics; Homogeneous and Heterogeneous Systems, Le Chatelier's Principle, Mass Action, Equilibrium Calculations, Speed of Reaction and Energy of Activation, Rate Laws. Calculations and laboratory experiments illustrating these principles.

3 lectures, 1 laboratory period

4 semester hours

Ch 12 General Inorganic Chemistry II

A continuation of Chemistry II. Ionic Equilibrium; Weak Acids & Bases, Hydrolysis, Buffers, Solubility Product Constants. Atomic Structure; The Hydrogen Atom, The Quantum Numbers-n, l, m, s, The Aufbau Principle, The Pauli Exclusion Principle, Paramagnetism, Chemical Bonding Ionic Bond, Covalent Bonds, Coordinate Bonds, Resonance Coordination Complexes, Molecular Geometry, Hybridization, Electron Pair Repulsion, Hydrogen Bonding. Electro-chemical Phenomena; Electrolysis, Galvanic Cells, EMF, Elementary Thermodynamic Concepts, Spontaneity in Chemical Reactions. Nuclear Chemistry; The Belt of Stability, Binding Energy, Radioactive Dating. Calculations and laboratory experiments illustrating these principles.

3 lectures, 1 laboratory period

4 semester hours

Ch 15 Fundamental Inorganic Chemistry I

This course, intended for chemistry and physics majors with a high school chemistry background, is an introduction to theoretical chemistry. Particular stress is given to the fundamental relations existing between the properties of matter and electronic structure. A carefully graduated use of the calculus is made. Some of the topics treated are matter and energy, wave-particle duality, stoichiometry, kinetic theory, chemical bonding, and periodicity. The laboratory work emphasizes the applications of chemical equilibrium to systematic qualitative inorganic analysis.

3 lectures, 1 laboratory period

4 semester hours

Ch 16 Fundamental Inorganic Chemistry II

This course, a continuation of Chemistry 15, is one in which a more advanced approach is maintained and more extensive use of the calculus is made. Some of the topics treated are theory of solutions, molecular geometry, the first and second law of thermo-

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dynamics, electrochemistry, and chemical kinetics. The laboratory work concerns itself principally with volumetric and gravimetric methods of analysis. The student is also introduced to some instrumental methods, while several laboratory periods are devoted to the computer.

3 lectures, 1 laboratory period

4 semester hours

Ch 22 Elements of Physical Chemistry

This course is intended for Biology Majors and for students preparing for secondary school science teaching. Emphasis is placed on the first and second Laws of Thermodynamics as related to equilibrium systems and living systems. Various aspects of colloidal chemistry as well as chemical kinetics, catalysis and enzyme catalysis are considered. Laboratory work emphasizes the above principles and introduces the fundamental instruments of quantitative analysis.

3 lectures, 1 laboratory period

4 semester hours

Ch 24 Quantitative Inorganic Analysis

The theory and technique of quantitative analysis including neutralization, oxidation and reduction, volumetric precipitation and introduction to gravimetric methods; illustrated by problem work and by laboratory analysis of representative samples.

2 lectures, 2 laboratory periods

4 semester hours

Ch 81 General Chemistry I

An introduction to the study of chemistry for non-science majors. Fundamental principles of inorganic and organic chemistry are discussed and applied to chemical reactions and phenomena.

3 semester hours

Ch 82 General Chemistry II

A continuation of Ch 81, emphasizing the chemistry that is typical of living systems.

3 semester hours

Ch 111 Organic Chemistry I

This course, intended for chemistry and biology majors, is an introduction to organic chemistry with emphasis on structure isomerism, nomenclature, functional groups, synthesis of compounds, and reaction mechanisms. The laboratory work emphasizes organic techniques, determination of physical constants, and typical syntheses.

3 lectures, 2 laboratory periods

5 semester hours

Ch 112 Organic Chemistry II

The synthesis and reactions of the more common classes of organic compounds. Carbohydrates, aminoacids, protein and other natural products are discussed.

3 lectures, 2 laboratory periods

5 semester hours

Ch 121 Advanced Organic Chemistry

This course, intended for chemistry majors only, attempts to bring the student closer to the research areas of organic chemistry. Recent developments, syntheses and reaction mechanisms as well as an introduction to spectral identification of organic compounds are discussed. The laboratory consists of the systematic classification, separation and identification of organic compounds.

2 lectures, 2 laboratory periods

4 semester hours

Ch 122 Chemical Analysis

The nature and practice of chemical analysis are considered. The first half of the course includes data analysis, chemical equilibria, and classical wet methods of gravi-

metry, acidimetry, redoximetry, and compleximetry. The second half considers electrometric methods, electronic spectroscopy, computer programming and chemical separations.

The laboratory experiments equally emphasize classical and instrumental techniques applied to both organic and inorganic chemical systems.

3 lectures, 1 laboratory period

4 semester hours

Ch 124 Introduction to Biochemistry

Topics dealing with the fundamental concepts of biochemistry, including the study of carbohydrates, lipids, proteins, terpenoids, steroids, alkaloids, and nucleic acids.

3 semester hours

Ch 126 Chemical Instrumentation

This course surveys the instrumentation available to the modern chemist. Topics covered are categorized as electronics, optical methods, electrometric methods, radio-chemical methods or separation techniques. Problem solving and applications from the recent literature are emphasized in class. Ten modern instruments are utilized in different laboratory experiments.

3 lectures, 1 laboratory period

4 semester hours

Ch 141 Advanced Inorganic Chemistry

This course considers in detail the modern trends in theoretical inorganic chemistry with a discussion of the descriptive chemistry of the elements from the standpoint of atomic and molecular structure. Selected inorganic compounds are synthesized in the laboratory employing a variety of advanced techniques such as high temperature, electrolysis, the autoclave, the vacuum line, and non-aqueous solvents. The student is allowed considerable individual choice in the selection of the compounds to be synthesized.

3 lectures, 1 laboratory period

4 semester hours

Ch 161 Physical Chemistry I

A study of physical chemistry intended for chemistry majors. The study of physico-chemical systems by the methods of thermodynamics; the first law of thermodynamics, thermochemistry, the second law of thermodynamics, the Clausius inequality, the third law of thermodynamics, chemical equilibrium, the chemical potential, Gibbs free energy, Phase Equilibria, The Phase Rule, the Clausius-Clapeyron equation, the Gibbs-Helmholtz equation, the Gibbs-Duhem equation, colligative properties. Characteristic experiments are used in the laboratory.

3 lectures, 1 laboratory period

4 semester hours

Ch 162 Physical Chemistry II

A continuation of Physical Chemistry 161. Electrochemical Phenomena; Free Energy and Electrochemical Cells, Standard Cell Potentials, Mean Ionic Activity Coefficients and the Debye-Huckel Theory, the Nernst Equation, the Temperature Dependence of EMF; Surface Phenomena; Surface Tension, The Kelvin Equation, Monomolecular Films on Liquid, The Langmuir Adsorption Isotherm, The Gibbs Adsorption Isotherm. Chemical Kinetics; Theory of First Order Reactions, First and Second Order Rate Laws, The Kinetic Theory of Gases, Collision Theory and The Specific Rate Constant, Transition State Theory. X-Ray Diffraction; Bragg's Law and the Powder Method.

3 lectures, 1 laboratory period

4 semester hours

Ch 163 Physical Chemistry III

A continuation of Physical Chemistry 162. Quantum Chemistry; The Hydrogen Atom, De Broglie Waves, Particle in a Box, The Bohr Correspondence Principle, The

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One-Dimensional Schrodinger Equation, The Quantum Mechanical Tunnel Effect, The Hydrogen Molecule and the Hydrogen Molecule Ion. Molecular Structure; The Harmonic Oscillator, The Rigid Rotator, Election Diffraction, Spectra. Introduction to Statistical Mechanics.

3 semester hours

Ch 198 Research & Seminar

A research project, normally involving laboratory investigation, is chosen by each senior electing this course. Seminars are held weekly, alternating student reports on research progress and library studies of selected topics.

3 semester hours

DEPARTMENT OF CLASSICS

Associate Professor: Rosivach

Assistant Professor: Cox

The basic courses provided by the Classics Department aim at securing the proficiency in the Latin and Greek languages indispensable for a first-hand scholarly examination of classical antiquity. Advanced courses are offered both for students intending to major in Classics and for those who are pursuing the "A.B. with Classics" program. The Classics major both prepares qualified students for further graduate study in the field and provides a challenging and satisfying major for students who are not preparing themselves for a specific graduate field. The "A.B. with Classics" program comprising two years of Latin and Greek seeks to give students who will major in a field other than Classics as wide a background in classical antiquity as time will permit both as an aid to their general cultural education and to assist them in their own major fields. The Classics Department also makes available as a general service to the University courses both in English and the original languages for those interested in various specific aspects of classical antiquity.

LATIN

La 11-12 Elementary Latin

Intensive study of Latin grammar; readings in easier authors to develop a practical reading knowledge of Latin.

6 semester hours

La 21-22 Readings in Latin Prose & Poetry

For students with a background of three or more years of high school Latin or its equivalent, this course attempts to fill out that background by extensive readings in the principal authors and genres not read in high school.

6 semester hours

La 132 Cicero's Epistulae

Extensive readings from the "Epistulae Familiares"; study will emphasize the historical content of the letters.

3 semester hours

La 133 Roman Elegy

Reading and analysis of the poetry of Tibullus and the Tibullan corpus, Propertius and Ovid.

3 semester hours

La 142 The Philosophy of Seneca

A study of Roman Stoicism through the works of Seneca, especially the *Epistulae Morales*.

3 semester hours

CLASSICS

La 144 Roman Comedy

Study of the plays of Plautus and Terence, in the original and in translation, with emphasis on the dramatic and theatrical aspects of the plays. *3 semester hours*

La 146 Vergil

Study of "Aeneid 7-12", "Eclogues" and "Georgics". *3 semester hours*

La 151-152 Roman Historiography I-II

In the Fall, an examination of Sallust and Livy as historians; the "Jugurtha" of Sallust and excerpts from the first five books of Livy will be read. In the Spring, Tacitus "Historiae" and Suetonius will be studied. *6 semester hours*

GREEK

Gr 11-12 Elementary Attic Greek

Grammar of Attic Greek; readings in easier authors to develop a practical reading knowledge of ancient Greek. *6 semester hours*

Gr 21-22 Intermediate Greek Readings

Intensive reading of selected authors of moderate difficulty in various genres, with extensive readings in translation, to give a survey of classical Greek literature. *6 semester hours*

Gr 121-122 Greek Epic, Lyric and Drama

Extensive readings from the principal authors of epic, lyric and drama; lectures on the literary development of these genres. *6 semester hours*

Gr 123-124 Greek Historiography, Oratory and Philosophical Writings

Extensive readings from the principal historians, orators and philosophers; lectures on the literary development of these genres. *6 semester hours*

CLASSICAL CIVILIZATION

CI 101 Greek Tragedy in Translation

An intensive study in translation of the surviving works of Aeschylus, Sophocles and Euripides. (A knowledge of Greek is not required.) *3 semester hours*

CI 103-104 Classical Literature in Translation I-II

A survey of the principal works of ancient Greek and Latin literature. Emphasis will be on the content of this literature as a key to understanding the ancient civilizations, and as meaningful in a contemporary context. *6 semester hours*

CI 105 Greek History

An intensive and comprehensive survey of the Greek world from the origins of a distinctive Hellenic civilization to the Roman conquest. Stress will be laid on acquiring knowledge of specific topics and primary evidence as well as on a narrative history. (A knowledge of Greek is not required.) *3 semester hours*

CI 106 Roman History

A history of Rome from its origins to the death of Constantine. Emphasis will be on the organization of the Roman state and on the key movements which modified and redirected the evolution and decline of Rome. (A knowledge of Latin is not required.) *3 semester hours*

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CI 107 Roman Law

Study of the sources, content and principles of Roman law. (A knowledge of Latin is not required.) *3 semester hours*

CI 108 Roman Religion

Study of the religious beliefs and practices of the Romans during the Republic and early Empire. (A knowledge of Latin is not required.) *3 semester hours*

DEPARTMENT OF ECONOMICS

Associate Professors: Hohmann (Chairman), Walters

Assistant Professors: Deak, Devine, Heinze

The curriculum of this department seeks to provide the student with an understanding of our economic system. Course content is basically theoretical and aimed at developing the student's analytical and reasoning powers and at stimulating his powers of interpretation, synthesis, and understanding. The program prepares the student for graduate or professional schools and provides a good background for the business world, while maintaining the objectives of the liberal arts tradition.

Ec 11 Principles of Economics I

A course designed to familiarize the student with basic economic principles. After examining the meaning of economics and its relation to ethics, the student successively studies the fields of production, forms of business enterprise, price formation under the various market situations, monopoly and competition, functional and personal distribution of income. The methods of economic analysis are studied systematically and critically. *3 semester hours*

Ec 12 Principles of Economics II

Economic institutions and problems are treated in the following order: money and banking; business cycles; national income and full employment; public finance and fiscal policy; labor organization and social security; international trade; government regulation of utilities; agriculture; and comparative economic systems in the light of Catholic social principles. *3 semester hours*

Ec 104 Micro-economics

Prices and the allocation of resources; the monetary process; management and control of economic resources; government finance, national income. *3 semester hours*

Ec 105 Macro-economics

The theory of employment, growth and fluctuations in the national economy. The determination of the national income in the short run. Effects of economic disturbances on output and employment. Determinants of long-run economic growth. *3 semester hours*

Ec 111 Money and Banking

A survey of the history and organization of the money and banking system of the United States; a study of bank capital, deposits, loans and investments; the reserve problem, bank credit expansion and clearing; the structure of the money market; analysis of the instruments of credit control. Contemporary banking institutions are studied both in their technical aspects and in the light of their relationship to the whole economy. *3 semester hours*

Ec 112 Economic Aspects of Current Social Problems

The course is concerned with structural problems with particular attention to the urban scene in our economy. A policy-approach is employed. Topics covered include: education, transportation, housing, health, pollution, population. *3 semester hours*

Ec 124 Labor Economics and Industrial Relations

After a brief discussion of the basic principles making for good industrial relations, a detailed study is made of the following topics: various theories of wage determination; brief history and present organization of unions; economic implications of collective bargaining (inflation, unemployment, etc.), the evolution of public policy towards unionism. *3 semester hours*

Ec 131 International Trade

It is the purpose of this course to describe and analyze the complex network of trade and financial relationships that link together the economies of the world. The specific objectives of the course will be 1) to explain the bases of international trade, noting the ways it is similar to and dissimilar to domestic trade 2) to introduce the monetary aspects of international trade 3) to define and analyze the international balance of payments 4) to discuss international disequilibrium and the mechanisms for restoring international equilibrium. *3 semester hours*

Ec 132 Economic Development

This course begins with a survey of leading theories of economic development and their application. The emphasis will be on the problems of the underdeveloped countries and programs for stimulating economic growth in the poor nations. *3 semester hours*

Ec 141 Government and Business

The role of Government as a regulative force in economic society, with particular emphasis on the problems and regulatory measures that apply in the field of corporate size, the concentration of economic power, monopolies and the regulation of competition. The regulation of Public Utilities will receive some attention. *3 semester hours*

Ec 173 History of Economic Thought

A detailed study of the leading economic concepts and schools of economic thought from the Greek Philosophers up to and including the post-Keynesian development. *3 semester hours*

Ec 175 Managerial Economics

This course is concerned with the application of economic concepts and economic theory to the problem of formulating rational managerial decisions. The course is designed for majors in Economics and Business Administration. It will cover such topics as: Profit and Production Management, Demand Analysis, Forecasting, Linear Programming and Statistical Decision Making. *3 semester hours*

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Ec 176 Introduction to Mathematical Economics

An introduction to the basic mathematical tools (calculus, matrix algebra, and linear programming) most frequently employed in intermediate and advanced economic theory is presented, with application of these tools in economic analysis to demonstrate the relationship between tools and economic concepts.

3 semester hours

Ec 177 Public Finance

An attempt is made to provide a general framework for an economic theory of the government sector, and in so doing consider: (1) the application of welfare economics to budget determination, (2) the problems with incidence and effects of budget policy, and finally (3) the role of fiscal policy as a means of economic stabilization.

3 semester hours

DEPARTMENT OF EDUCATION

Assistant Professor: Costa

Students who are preparing for high school teaching should consult the Chairman of the Department at the end of the Freshman year for advice on state certification requirements applying to the subject they wish to teach. No recommendation for teaching will be made if the student's Q.P. average in his chosen field is less than 2.5.

Ed 115 History and Principles of Education

This course presents the historical development of education with regard to curriculum, methods, organization and control, and the relationship of society to each of these areas. The influence of philosophers and educators from Plato and Aristotle to Hutchins and Dewey are considered. During the second half of the course, stress is placed upon the historical development of the American public schools from Colonial times to the present.

3 semester hours

Ed 141 Educational Psychology

A particular application of the more important psychological principles to educational theory and practice. This course embraces a systematic study of the educable being, habit formation, phases of learning, intellectual and emotional growth, and character formation. Individual differences, transfer of training, interest, attention, and motivation, insofar as they influence the teaching process, will be included.

3 semester hours

Ed 145 Adolescent Psychology

A study of human behavior and development during the period of adolescence. Physiological, intellectual, emotional and social development, and the factors and agencies influencing such development, will be considered.

3 semester hours

Ed 163 Methods of Teaching in Secondary Schools

Application of principles of education to classroom instruction in secondary schools. Attention will be centered upon planning for teaching, uses of various methods and materials, tests, classroom management and discipline. Consideration will also be given to the position of the teacher in public schools, special services available to teachers and pupils, extra-curricular programs, and responsibilities of teachers.

3 semester hours

Ed 171 Survey of Educational Media and Reading Methods

A survey of current audio-visual aids being used in the public schools; includes a study of software and hardware. A survey of methods and materials for improving reading and study skills at the secondary school level. *3 semester hours*

Ed 181 Directed Observation and Supervised Practice Teaching I

An internship course for students who have been approved by the University authorities as potential teachers in secondary schools. Classroom observation will illustrate the theory seen in methods classes. Class organization and management, curriculum division, technical teaching devices and the manifold relationships of the teacher with the student will be noted under direction. Individual and group conferences with the Director of Teacher Training. *2 semester hours*

Ed 182 Supervised Practice Teaching II

A continuation, for students who have satisfactorily completed Education 181. It will consist of active participation in school life with emphasis on the actual conduct of classes. Lesson planning and execution under the combined supervision of the classroom teacher and the Director of Teacher Training; individual and group conferences on techniques of teaching, classroom management, evaluation, and individual and group diagnostic and remedial devices. *4 semester hours*

DEPARTMENT OF ENGLISH

Professors: Riel, Rinaldi, Ryan

Associate Professors: Farnham, Landry, McInerney (Chairman), McIntyre, Nickerson

Assistant Professors: Berrone, Hoban, Lynch, McDonnell, O'Connor, Reddy, M. Regan, R. Regan, Shaffner, van den Berg, Wells

Instructors: Dardano, Mullan

I. THE GENERAL ENGLISH CURRICULUM

Freshman English consists of two required courses:

En 11 Composition and Prose Literature

This course incorporates the study of essays and/or other forms of literary non-fiction to be analyzed in class, together with the student's own exercises in formal and informal analytical prose. En 11 emphasizes the style and rhetoric of prose, techniques of expository writing, and basic writing and research skills such as the dictionary, use of the library, and the MLA Style Sheet. *3 semester hours*

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En 12 Introduction to Literature

A study of drama, fiction and poetry as they reflect literary and cultural approaches to man and society. Selected works from various ages and civilizations introduce the student to the techniques and traditions of the major literary genres. En 12 also demands critical writing as an extension of Composition in En 11, including a research paper.

3 semester hours

Sophomore Requirement

A series of lower-division courses are available to sophomores to fulfill the final semester of their English requirement, as well as to upperclassmen as general elective courses.

En 25 Shakespeare

A study of Shakespeare's creative and intellectual development. Plays include major histories, comedies, problem plays, tragedies and romances. The course also presents background in Renaissance England and the Elizabethan drama. *3 semester hours*

En 26 Drama

A study of the historical development and the essential techniques of the drama from the Greeks to the present. *3 semester hours*

En 27-28 Great Works I and II

A survey of some of the masterworks of world literature as they relate to intellectual and cultural history, and to the development of literary form. *6 semester hours*

En 29 The Novel

3 semester hours

En 30 Modern British and Continental Literature

3 semester hours

En 71 Studies in American Literature I

This course begins with a survey of the Puritan background to American literature and the writings of the early republic. The emphasis will be placed on the early national period and the romantic phase in American literature leading up to the Civil War. The writers to be studied include Irving, Cooper, Melville, Poe, Emerson, Thoreau, Hawthorne and Whitman. *3 semester hours*

En 72 Studies in American Literature II

Beginning with a study of the realistic movement, this course continues with a discussion of naturalism and the social and political writings at the end of the nineteenth century. The evolution of the modern temper from the post-World War I period to the present is another major line of development in the course. The writers to be emphasized include Twain, Howells, James, Crane, Norris, Fitzgerald, Hemingway, Faulkner, Mailer and Bellow. *3 semester hours*

II. THE ENGLISH MAJOR

The courses described below are not restricted to English majors, although they are conceived to provide a comprehensive historical and intellectual approach to Western literature.

The English major must, during his last three years, take at least ten upper-division English courses. He may choose more than this minimum major, but in any event he must fulfill the following area requirements:

- I. Major Figures—6 hours
 - Chaucer
 - Shakespeare
 - Milton
- II. English Literature to 1660—6 hours
 - Medieval Literature
 - The Renaissance
 - Seventeenth-Century Literature
- III. The Eighteenth Century—3 hours
 - The Age of Pope
 - The Age of Johnson
- IV. The Nineteenth Century—3 hours
 - The Romantic Movement
 - Victorian Poetry
 - Victorian Prose

En 101-102 Studies of Selected English Writers

This is a course designed to provide English Majors with an introduction to the major literary figures and critical works of each important period in the development of English literature. *6 semester hours*

En 103-104 Creative Writing

Designed to foster creativity and critical acumen through extensive exercises in the composition of verse, fiction and drama. *6 semester hours*

En 109 Irish Literature

The purpose of this course will be to study the coming together of many apparently unrelated phenomena around the turn of the century to produce a unique and most unlikely phenomena, The Irish Literary Renaissance.

Initially, the course pursues readings in Irish history to firmly establish the background against which the drama of the Renaissance was played. The founders of the Abbey Theatre (Yeats, Lady Gregory, Martyn) and the Abbey's greatest products (Synge and O'Casey) will be read. The flowering of a poetry inspired by peculiarly Irish feelings and carried out by a peculiarly Irish genius will then be read (Yeats, Stephens, Colum, "A.E.", Clarke, Campbell and the '16 poets). In narrative prose, Joyce, Stephens, Moore, O'Kelly, MacNamara, O'Flaherty, O'Connor, O'Faolain, Lavin, and Beckett will be considered.

The course concludes with an evaluation of this Renaissance in terms of its avowed intentions, its significance (first in terms of Irish literature, then in terms of world literature), and a study of the literary descendants of the Revival (Behan, Johnston, Carroll, O'Brien, Macken, Kavanagh, McGahern and others). *3 semester hours*

En 111 Shakespeare I

Shakespeare from 1588 to 1600. The plays include the history plays, the early comedies, and the mature romantic comedies, as well as several tragedies "Romeo and Juliet", "Julius Caesar". The "Sonnets" and "Venus and Adonis" also fall in this period. Shakespeare's intellectual and artistic development is studied, together with background in Tudor history, the Elizabethan milieu, and the Elizabethan stage.

3 semester hours

En 111a Shakespeare II

Shakespeare from 1600 to 1612. The problem plays, tragedies and romances are the subject matter for an examination of Shakespeare's full maturation as artist and thinker. The Jacobean world-view and changing stage conventions are studied as catalysts in the development of Shakespeare in the second half of his career.

3 semester hours

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En 113 Drama from Ibsen to Eliot

A study of form and meaning in modern drama up to the period of World War Two. This course is a critical analysis of the plays of the period not as literature but as imagined in production. Certain emphasis is placed upon developing a "sense of theatre." Authors included are both European and American. *3 semester hours*

En 114 The New Theatre of Europe and America

A critical analysis of the contemporary drama since World War Two. Topics for study will include: The Romantic Survival, Social Realism, Poetic Drama, Existential Drama and Theatre of the Absurd. Particular emphasis will be placed on the role of the playwright as spokesman for our time. *3 semester hours*

En 119 Medieval Literature

Discussions of major works from the Old English period through the fifteenth century, including heroic narrative, elegy, lyric, ballad, romance, drama, prose, and religious poetry. *3 semester hours*

En 121 Chaucer

An introduction to the works of Chaucer with readings in Middle English pronunciation and emphasis on the poet's artistic and dramatic development. *3 semester hours*

En 125 Sixteenth Century Non-Dramatic English Literature

This course will explore the thought and style of the developing Renaissance through three different basic types of non-dramatic literary expression: first, the lyrics of Skelton, Wyatt, Surrey, Sidney, Marlowe, Raleigh, Spencer, Shakespeare, and others; second, the prose of More, Ascham, Elyot, Llyly, Hoby, North, Holinshed, Greene, Harvey, Nashe, Shakespeare, Sidney, and others; third, the epic in selections from Spenser's "Faerie Queene". Emphasis will be critical with occasional historical comment. *3 semester hours*

En 126 English Drama: The Beginnings To 1642

A selective survey of English drama from 900 to the end of the Jacobean period exclusive of Shakespeare. It includes liturgical plays, vernacular mysteries and morality plays, and representative plays from the Tudor, Elizabethan and Jacobean playwrights. There will be a lengthy study of Christopher Marlowe and Ben Jonson. *3 semester hours*

En 127 Continental Renaissance Literature

A study of basic Renaissance styles of thought, as found in some of the more important continental writings of the 14th, 15th, and 16th centuries. Selected works from: Petrarch, Pico della Mirandola, Erasmus, Castiglione, Rabelais, Montaigne, and others. The emphasis will be largely critical, but historical aspects will be included also. A few classical works will be examined as background. All in translation. *3 semester hours*

En 131 Seventeenth-Century Literature

An intensive study of John Donne, George Herbert, Richard Crashaw, Andrew Marvell, and Henry Vaughan. Also studied are Ben Jonson, Robert Herrick, Thomas Carew, Sir John Suckling, Richard Lovelace, and Abraham Cowley. *3 semester hours*

En 132 Milton

This course proceeds from a study of Milton's early poems to the reading of "Paradise Lost", "Paradise Regained" and "Samson Agonistes". Certain prose pamphlets are read either in their entirety or in selections. *3 semester hours*

En 135 Victorian Prose

A study of the aesthetic and cultural dynamics of the works of Carlyle, Newman, Mill, Ruskin, and Arnold; collateral readings in Pater, Morris, Butler, Marx, and Darwin. 3 semester hours

En 136 Victorian Poetry

An intensive study of four major poets—Tennyson, Browning, Arnold and Swinburne. Consideration will be given to the dimensions of Victorian poetics as seen in the Pre-Raphaelite group and the Aesthetic Movement. 3 semester hours

En 143 The Age of Pope

While emphasizing the work of Dryden, Swift and Pope, this course includes selections from Samuel Butler, Pepys, Rochester, Prior, Defoe, Steele, Addison, Shaftesbury, Mandeville, Gay, Thompson, Young, Blair and Shenstone. 3 semester hours

En 144 The Age of Johnson

Emphasizing the work of Johnson, this course acquaints the student with Collins, Gray, Boswell, Christopher, Smart, Macpherson, Churchill, Walpole, Goldsmith, Sheridan, Beattie, Chatterton, Cowper, Burns, Crabbe, Burke, Paine and Blake. 3 semester hours

En 152 The Romantic Movement

A detailed analysis of the works of the major Romantic poets: Wordsworth, Coleridge, Byron, Shelley, Keats. Blake is also considered, as a forerunner of the Romantic movement. 3 semester hours

En 163-164 Development of the Novel

An intensive study of the development of the English and American novels.

6 semester hours

En 166 Modern British Poetry

A study of British Poetry in the 20th Century with regard to its traditional as well as revolutionary aspects. Among the poets to be considered are Hardy, Hopkins, Yeats, Eliot, Auden and Thomas. 3 semester hours

En 171 American Literature: 1607-1830

This course is divided into three phases: Colonial Literature (1607-1765), the literature of the Revolutionary Age (1765-1790), and the literature of the Early National Period (1790-1830). The first phase is primarily an examination of the Puritan writers and their ideational literature. The second examines the literature of the revolution and the non-political writings of Franklin and the Connecticut Wits. The emphasis of the course will be on the Early National Period and the major works of Brown, Irving, Bryant, Freneau and Cooper. 3 semester hours

En 172 American Literature: The Romantic Period (1830-1865)

This course includes extensive readings in Poe, Emerson, Thoreau, Hawthorne, Melville and Whitman. There is also an analysis of the transcendental movement and a survey of the minor writers of the period. 3 semester hours

En 173 American Literature: 1865-1914

This course concerns itself with the evolution of American realism after the Civil War and the subsequent naturalistic movement in American Literature. The writings of Twain, Howells, DeForest, James, Crane, Dreiser and others. 3 semester hours

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En 174 American Literature: 1920-Present

The development of the modern American writer will be traced from the post-World War I era through the depression and to the present. The writings of Fitzgerald, Hemingway, Faulkner, Frost, Steinbeck, O'Neill, Mailer, Lowell, Bellow and others.

3 semester hours

En 181 Descriptive English Linguistics

Introduction to the principles of modern descriptive linguistics, especially as they relate to present-day English: its grammatical structure, its sound and spelling systems, its vocabulary, and rules of usage. Modern English grammar will be approached from both the structural and transformational points of view, and special emphasis will be given to the application of linguistic knowledge to the teaching of the language arts, including composition and stylistic analysis.

3 semester hours

En 182 Historical English Linguistics

Introduction to the history of the English language from King Alfred to the present day. The primary purposes of the course are to provide knowledge of the language of the great English writers before the modern period, and an historical background for understanding the forms and usages of modern English itself.

3 semester hours

En 193 Studies in Literary Theory

A study with reading and discussion of literary theory and criticism, including Classical Greek and Roman, Medieval, Renaissance, Seventeenth Century, Eighteenth Century, Romantic, Victorian, Modern and Contemporary. The course begins with study of the nature and fundamental principles of the arts in general and of literature in particular.

3 semester hours

En 195-196 Topics in American Literature

Specialized courses and seminars.

En 197-198 Topics in English Literature

Specialized courses and seminars.

DEPARTMENT OF FINE ARTS

Professor: Emerich

Associate Professors: Kipnis, Lukacs (Chairman)

Assistant Professors: Heath, Post

Instructor: Sax

ART

Requirements for Concentration

Required Courses: Fa 151-152, 175-176, 148; six courses to be chosen from 141 through 147 as well as from 171-172, 173-174, 175-176 and 191-192. 2 semesters of core courses in music and/or drama.

Fa 151-152 History of Art

A survey of the major movements and trends in the history of painting, sculpture, and architecture.

6 semester hours

Fa 141 Art of Greece & Rome

The art and architectural history of antiquity from prehistoric Crete to the fall of the Roman Empire. Stresses religious and political background of the monuments.
3 semester hours

Fa 142 Early Christian Art

Lectures and discussions will treat archeological and stylistic questions related to major monuments in the early development of Christian art in Rome, Africa, the Near East and Greece until 1204.
3 semester hours

Fa 143 Romanesque & Gothic Art

A survey of the major monuments and trends in the history of painting, sculpture, and architecture in the late Middle Ages.
3 semester hours

Fa 144 High Renaissance in Italy

Developments in Western Europe, both North and South, following the Early Renaissance, concentrating on artists such as Leonardo, Raphael, Michelangelo, Bramante, Giorgione, Titian, Durer and Brueghel.
3 semester hours

Fa 145 European Architecture

A survey of the architecture and its styles through the epochs.
3 semester hours

Fa 146 European Painting 1590-1750

This course concentrates upon the production of such artists as Caravaggio, Rubens, Poussin, El Greco, Velasquez, Rembrandt, Vermeer and Watteau.
3 semester hours

Fa 147 History of Modern Art

Modern painting from Romanticism to the present time. Field trips to be arranged.
3 semester hours

Fa 148 Seminar

Materials, methods and techniques of art-historical investigation. Prerequisites: Fa 151-152. Required for history of art majors and open with permission of the chairman to majors in other fields.
3 semester hours

Fa 171-172 Introduction to Drawing & Painting I & II

Introduction to the media of drawing and painting.
6 semester hours

Fa 173-174 Drawing & Painting, Composition I & II

An art workshop for individual creative expression with emphasis on the techniques of pictorial organization. Fundamental principles of perspective, light and shade, line, form and color, applied to drawing and painting projects from still-life, landscape, and imagination. Exploration of basic techniques including pencil, pen and ink, charcoal, pastel, water color, gouache and oil.
6 semester hours

Fa 175-176 Basic Design I & II

Studio practice in the elements of form, color, composition and organization. Student participation and demonstrations to stimulate perceptual awareness and creative ability.
6 semester hours

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Fa 191-192 Sculpture I & II

An introduction to the media and techniques of sculpture. *6 semester hours*

MUSIC

Requirements for Concentration

4 required courses: Fa 161, 181, 182, 183:

4 of the 5 following courses: Fa 162, 164, 166, 167, 168; and

1 of the following 2: Fa 163 or 165

2 semesters of core courses in art and/or drama.

4 semesters of applied music in the sophomore and junior years; one lesson per week.

Minimum level of competence to receive credit:

The Music Department aims at a balance between theory and practice. Therefore, to receive credit, the music major must demonstrate competence on an instrument by the end of the sophomore year.

Piano students are required to perform compositions of their choice from the following periods: Baroque, Classical, Romantic and Modern.

For voice and instruments other than piano, minimum requirements will be comparable to the above and appropriate to the instrument.

Receipt of credit and final grade for each semester of applied music will be determined at least in part by a performance examination before members of the music faculty.

Non-music majors who wish to study an instrument may do so and will receive credit provided they satisfy the above course* requirements.

Fa 161 Music I

This non-technical course is designed to equip the student, mainly through guided listening, as an informed appreciator of music in Western culture. An overview of the development of music, including "classical" and folk forms, from antiquity to the present, stressing the relationship between the art of music and the history of man.

3 semester hours

Fa 162 19th-Century Romanticism in Music

A comprehensive but non-technical survey of the ethos of 19th-century Romanticism as it appears in music of the period. Emphasis will be put on elements of style with supplementary study of Romanticism in related arts. The music of Beethoven, Schubert, Schumann, Chopin, Berlioz, Liszt, Brahms, Verdi, Wagner, and Richard Strauss among others, will be considered through recorded examples.

3 semester hours

Fa 163 Opera as Theatre

Designed to give the student an understanding of the nature of opera, and a basic knowledge of four of the most frequently performed operas in the three main schools of opera—Italian, French and German. The works to be studied are: Mozart's "Don Giovanni", Beethoven's "Fidelio", Verdi's "Aida", and Bizet's "Carmen". This is a non-technical course whose purpose is to equip the student to enjoy opera on his own, both in recordings and performance. The class Backstage Tour of the Metropolitan Opera House and attendance at one opera are required.

3 semester hours

Fa 164 Music of the Baroque

A non-technical study of the development of styles and forms of music between 1600 and 1750, from Monteverdi through Johann Sebastian Bach. The growth of instrumental music, the suite, the concerto, opera and oratorio will be traced in con-

junction with their social background. Elements of performance practice and instrumental development will also be introduced in what is primarily a listening course.

3 semester hours

Fa 165 Great Operas from Great Sources

A study of operas based on myths, legends and Shakespeare, showing the development of Wagner and the culmination of Verdi. I. A survey of Wagner's earlier operas, "The Flying Dutchman", "Tannhauser" and "Lohengrin"; an overview of the "Ring" Cycle with intensive study of selected scenes; an analysis of Gottfried von Strassbourg's "Tristan" and of the changes Wagner made in the story, with a study of portions of "Tristan und Isolde". II. A study-in-depth of Verdi's "Otello" and Shakespeare's "Othello". This is a non-technical course intended primarily for the student who is interested in literature and the theater, but is also suitable for the student who wants to learn to enjoy opera on his own. The class Backstage Tour of the Metropolitan Opera House and attendance at one opera is required.

3 semester hours

Fa 166 Music of the Twentieth-Century

An introduction to the main streams of music of our time. From Stravinsky and Schoenberg through electronic composers like Stockhausen, Pousseur, etc., to folk-rock phenomena like the Beatles, etc.

3 semester hours

Fa 167 Music in the Classic Period

This non-technical course will trace the Classic era from its origins in the Rococo to the emergence of Romanticism. Discussion of aesthetic principles and historical background germane to understanding this time. Recognition of the major achievements of Haydn, Mozart and Beethoven. Detailed discussion of representative musical works.

3 semester hours

Fa 168 Medieval and Renaissance Music

The history of Western music from early Christian plainsong through the height of vocal polyphony in the 16th century.

3 semester hours

Fa 181-182 Basic Techniques in Music I & II

A technical course for students already proficient on an instrument. The material is designed to teach basic techniques in music: harmonic analysis, ear-training, sol-feggio, arranging, score-reading.

6 semester hours

Fa 183 Form and Analysis

This course is designed to develop the student's appreciation of musical structure through the detailed analysis of scores. Representative works will be studied to establish not only the technical achievements of different periods, but also to find basic concepts which all composers have used in their search for formal and expressive excellence. Changes of style will be related to the general philosophy of their time. Prerequisite: Fa 181-182 or the equivalent.

3 semester hours

Fa 184-185 Fa 186-187 Applied Music (Various Instruments)

THEATRE

Fa 100 Seven Ages of Theatre

A selective and critical study of the history of world drama. The aim is to discover the varying functions of drama as man searches for self-realization through myth, mystery and reason.

3 semester hours

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Fa 110 Interpretation—Voice and Movement

Instruction in body movement, mime and dance as the creative expression of thought and action. Also the study of voice production, control and diction.

3 semester hours

Fa 111 Writing for the Theatre

An intensive study of preparing the scenario, plotting, structure and characterization.

3 semester hours

Fa 120 Ibsen to Eliot

An analysis of the content, form and style of Europe's most prominent playwrights to recognize their influence on the development of drama and to evaluate their relevance to the contemporary scene.

3 semester hours

Fa 121 Osborne to the Present Day

A study of the prominent plays since World War Two to current productions to discover the changes in man's relevance to the world around him.

3 semester hours

Fa 122 American Drama in the 20th Century

A study to discover the special problems of the American playwright in his efforts to reflect our society and his role of social critic.

3 semester hours

Fa 135 History of Film I

An analysis of the art of film in its beginning in America and Europe.

3 semester hours

Fa 136 History of Film II

This course continues to trace the development of film and therefore History of Film I is a requirement.

3 semester hours

SCULPTURE

Fa 191 Sculpture I

Introduction to concepts of sculptural form through modeling in clay with emphasis on the human figure. Armature building and simple casting techniques are included.

3 semester hours

Fa 192 Sculpture II

Further development of concepts of sculptural form through the exploration of various media using both additive and subtractive approaches. Additional casting techniques are taught.

3 semester hours

DEPARTMENT OF HISTORY

Professors: Buczek, McCarthy

Associate Professor: Fernandez

Assistant Professors: Abbott, Baehr, Costello, Davis, DeAngelis

Kazura, J. Murphy (Chairman), O'Brien, Petry

Courses offered by the Department are designed to develop insights and a sense of perspective in the study of the human past. All fields of concentration within the discipline will also appeal to those who, while not majoring in history, desire a broad, cultural basis for their specific concentration in government, the study of law, foreign service, teaching and allied professions.

History majors must successfully complete twenty-four upper division, elective credit hours; plus twelve such credit hours in allied fields.

EUROPEAN HISTORY

Hi 15 Western Civilization I

From the ancient cultures of Israel, Greece and Rome to the Protestant Revolutions. Lectures and readings demonstrating the foundation and component parts of Western civilization, establishment of the Christian Church, medieval synthesis and its collapse in the sixteenth century. *3 semester hours*

Hi 16 Western Civilization II

From the Catholic Reformation to the Nuclear Age. Lectures and readings demonstrating the triumph of humanism, its secularization, the growth of science and the ascendancy of liberalism through World War I; twentieth century second thoughts and re-evaluations. *3 semester hours*

Hi 109 European Thought and Culture: Age of the Baroque

Conflicting currents in the seventeenth century find temporary resolution in Baroque art (architecture, sculpture, painting, music, drama, epic). Christian asceticism and humanism, classical and empirical rationalism, renaissance exuberance and skepticism. European values in the age and expression of Bacon and Descartes, Galileo and Pascal, Rubens and Rembrandt, Hobbes, Milton and Bossuet, the Jesuits, Jansenists and Arminians, Bernini and Wren, Corneille and Racine, Leibnitz and Newton. The battle of the Books, the collapse of the Baroque synthesis and the emergence of "empiricism" by 1700. *3 semester hours*

Hi 110 European Thought and Culture: the Nineteenth Century

The search for lasting values in a century of cataclysmic change. The major currents of the nineteenth century: romanticism, liberalism, socialism, Marxism, nationalism, social Darwinism, positivism and modernism. The movement in the arts from Schubert, Weber, Goya, Delacroix, Goethe, and Stenhdal to Mahler, Richard Strauss, Monet, Van Gogh, Strindberg and Zola. *3 semester hours*

Hi 115 The Decline of the Holy Roman Empire

The effort to reestablish the Roman Empire and the rise of Germany to European hegemony. The decline of imperial government. Emergence of the major German principalities and new governmental structures in the late Middle Ages. *3 semester hours*

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Hi 116 Fall of the Holy Roman Empire

The effects of the Reformation on German politics and society. The Thirty Years' War. Emergence of the German and Austrian great powers. The German cultural resurgence. The collapse of the Empire and the attempt to preserve its values in the Rheinbund. 3 semester hours

Hi 117 Empire and Papacy, 300-1100

Roman and Byzantine views of empire; early Christian views of the nature of the Church; Church Fathers on Empire and Papacy; the Church among the barbarians; Gregory I; Merovingian kingdom and Carolingian Empire; the Church and feudalism; the Investiture Controversy and its importance and ramifications. 3 semester hours

Hi 118 Empire and Papacy, 1100-1300

The decretists and publicists; the Crusades, the Empire and the Papacy; Papal-Imperial struggles: Guelfs versus Ghibellines in Germany and Italy; Innocent III and the Papal Monarchy; the Papacy and the challenge of the new national monarchy; France, England, Spain. 3 semester hours

Hi 119 Europe in Transition, 1300-1600 I

Analysis of the nature and the failure of the medieval synthesis in religion, politics, diplomacy, economics, philosophy, art. Readings in Burckhardt, Huizinga and Dante, Petrarch, Boccaccio, Marsiglio, William of Ockham, Langland, a Kempis, Chaucer, Valla and selected documents through 1450. 3 semester hours

Hi 122 Europe in Transition, 1300-1600 II

Rise of humanism and the nation-state, the religious revival, lack of response by the organized Church, self-assertion of the cultured middle class and the collapse of medieval unity; the Protestant revolutions, the Catholic response, the rise of skepticism. Readings in Cusa, Aeneas Sylvius, Pico, Ficino, Erasmus, Colet, More, Vives, Machiavelli, Luther, Calvin, Loys le Roy, Montaigne, Rabelais and selected documents to 1600. 3 semester hours

Hi 123 Europe in the Ancien Regime, 1558-1740

The development of the modern state system. The seeds of absolutism and a secular society. The conflict between individualism and stability. The dichotomy between nationalism and humanism. The reawakening of science. Europe's first experiments in imperialism. Diplomacy and the concept of the balance of power. The secularization of religion and the religion of etatism. Dynasticism as the forerunner of totalitarianism. The beginnings of Enlightened Despotism. 3 semester hours

Hi 124 Europe in the Age of Enlightenment and French Revolution, 1740-1815

The gathering momentum of secular liberalism, materialism and optimism; the age of enlightened despots, the failure of the old regime, the triumph of the secular lay nation-state; revolution and restoration. Readings in Voltaire, Diderot, d'Alembert, La Mettrie, Hume, Rousseau, Johnson, Wesley, Frederick II, Jefferson, Adams and primary and secondary sources concerning the French Revolution and Napoleon. 3 semester hours

Hi 124.1 Europe in the Age of the American and French Revolutions 1763-1814

A study of the effects of the Enlightenment upon Western man with emphasis upon the political and social developments of this period. 3 semester hours

Hi 125.1 European Nationalism I 1800-1848

Europe tries to find itself after the first total war. The problems of a post-war generation. The Congress system and peace through the elite. The mixed heritage of the French Revolution and Napoleon. Youth in revolt. Liberalism, constitutionalism, and laissez-faire. The conservative tradition. Utopian socialism. The impact of the Industrial Revolution. Whither nationalism? The Revolutions of 1848.

3 semester hours

Hi 125 Mid-Nineteenth Century Europe, 1848-1871

The results of the failure of the Revolutions. Industrialization and the alienated society. Burgeoning of Marxism, Socialism, Nationalism, Liberalism and Democracy. The unification of Germany and Italy. Napoleon III and the Second Empire. The New Colonialism. Mid-Victorian England. Tortuous Diplomacy for Peace. Europe and the United States.

3 semester hours

Hi 126 Late Nineteenth Century Europe, 1871-1914

Conflicting cultural currents at the fin de siècle. A divided Third French Republic. The Empire upon which the sun never set. The Prussianization of Germany. The growth of materialism, radicalism, and the impact of urbanization. The new imperialism. The drift to war. The diplomatic and military background of World War I. Europe and the non-European world. Social Darwinism and scientific Marxism.

3 semester hours

Hi 127 Europe in the Twentieth Century I

The first semester commences with a brief survey of the nineteenth century legacy which shaped the lives and beliefs of European man on the eve of the first World War. The course will deal with events leading up to the first World War, the course of the war and American intervention, the Peace of 1919, the Russian Revolution, Soviet relations with the West in the 1920's, the struggle for power within Russia, and the Stalin era.

3 semester hours

Hi 128 Europe in the Twentieth Century II

This course surveys European life and problems in the 1920's, the rise of Fascism throughout Europe (with special emphasis on Italy and Germany), the effect of the World Depression, the 1930's and the road to war, the Second World War, the coming of the cold war, the collapse of colonialism, and the reemergence of Europe.

3 semester hours

Hi 131 The Constitutional and Legal History of England I

The evolution of the English constitution and laws through successive ages. The Anglo-Saxon age, the Norman conquest and its sequel, centralization and the introduction of law, Magna Carta, gradual growth of the constitution and of the common law; origins and growth of Parliament, development of constitutional government, the Tudor strong monarchy.

3 semester hours

Hi 132 The Constitutional and Legal History of England II

Struggle of Parliament with King, Parliament's victory and its consolidation, the making of the cabinet and its expanding authority; the evolution of democracy; the first World War, the Irish Free State, post-war period; expanding administration up to the second World War.

3 semester hours

Hi 187 History of the British Empire, 1485-1714

This survey traces the rise of "Great Britain" from Bosworth Fields to the death of Queen Anne. This period of dramatic change commences with an England that is by

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religion Catholic and, because of the War of the Roses, politically and economically weak. It ends with a "Great Britain"—a growing overseas empire abroad and a solid Protestant establishment at home. In this story the social, political and cultural impact of the Tudor "revolution", the decline of the aristocracy and of the gentry, the Civil War and "Glorious" revolution, the Acts of Settlement and Union will be emphasized.

3 semester hours

Hi 188 History of the British Empire, 1714-1914

A continuation of the survey that will show the birth and death of two British Empires. It begins with Great Britain as a definite force in the European diplomatic system and it ends with what this ultimately achieved, the signs of her future collapse, obvious by the end of World War I. In this the importance will be stressed of such items as her colonial policies, the politics of George III, the effects of the American and French revolutionary wars, the demise of the Protestant Establishment, the triumph of the House of Commons and the shattering of the old ways by the "guns of August."

3 semester hours

Hi 188.1 Hanoverian England 1714-1850

A study of the development of the first and second British empire stressing political constitutional relations and economic factors of this period.

3 semester hours

Hi 189 Germany from Reformation to Unification

The Medieval Background. The Impact of the Reformation. Counter-reformation and the Thirty Years War. French and Swedish Influences. Hapsburg-Hohenzollern Rivalry. Absolutism and Dynasticism in the Ancien Regime. The Wars of the 18th Century. The German Enlightenment. Germany and the French Revolution. The Era of Napoleon. Metternichean Germany. Revolutions of 1848. Bismarck and Unification. The Heritage of the Aufklarung and Romanticism.

3 semester hours

Hi 190 History of Germany II

The Constitution of the Second Reich. The Kulturkampf. Bismarck as Arbiter of Europe. Imperialism. Wilhelmenian Germany. Cultural Currents at the Turn of the Century. The Steps to War. The Impact of the Versailles Treaty. Weimar and the Experiment in Democracy. Cultural and Social Roots of National Socialism. The Theory and Practice of the Third Reich. World War II. Germany's Division and Occupation. The Two Germany's.

3 semester hours

Hi 191 The Russian Revolutionary Tradition I

The political, social and religious roots of Muscovite absolutism; "Moscow the Third Rome"; the growth of serfdom; the "Time of Troubles", problems of Church and State; the Russian Church schism and its consequences; Peter the Great, reformer or revolutionary; the peasant problem in the eighteenth century.

3 semester hours

Hi 192 The Russian Revolutionary Tradition II

Catherine the Great as reformer; beginnings of intellectual protest against serfdom and autocracy; Russia in an age of revolution; revolutionary ferment in Russia: Slavophiles and Westernizers; from populism to Marxism—Leninism; the Conservative defense; Menshevik versus Bolshevik.

3 semester hours

Hi 193 Russia in the Twentieth Century

The course will begin with the revolution of 1905 and will concentrate on the clash of ideologies leading to the Revolution of 1917. The Revolution of 1917 in its two phases will be studied chiefly from an ideological point of view. Finally an exploration

into the relationship between Russian Marxist ideology and power, and ideology and the social and cultural transformation of Russia through the periods of War Communism, N.E.P., Stalinism, and post-Stalinism. *3 semester hours*

Hi 194 The Communist Orbit

The course will concentrate on the internal developments within the "Iron Curtain" bloc and their relations with the Soviet Union since 1945. The clash between Marxist ideology and traditional values and institutions will be studied in relation to the Stalinist period, the Khrushchevian thaw, and the post-Khrushchev era. Readings from Marxist and non-Marxist authors. *3 semester hours*

AMERICAN HISTORY

Hi 51 American History I

This is a survey course in the history of the United States to 1865. Beginning with the Age of Discovery, it deals with the founding of the British colonies and the growing competition for North America. It examines the factors behind the Revolution and the superb statesmanship that produced the constitution. This semester closes with the early nineteenth century problems of the rise of democracy, the tensions of sectionalism, and the Civil War. *3 semester hours*

Hi 52 American History II

This course continues the American survey. Specifically, it deals with the problems in American society and government that came in the wake of the Civil War: Reconstruction, political, economic, constitutional, etc. The impact of the war on American institutional development through the post-war years. The Administrations of Johnson, Grant, Hayes. The conservatism of both major political parties. The Court. The Populist revolt and subsequent reform movement, including the Progressive movements of the late nineteenth century and early twentieth century. America's entrance in world imperialism. The abandonment of traditional neutrality in two wars. The emergence of the United States as a world leader. *3 semester hours*

Hi 54 American Intellectual History: From the Puritans through the Civil War

A survey of selected aspects of American thought and culture to 1860. The shaping effect of the colonial and nineteenth century experience on American ways of thinking, stressing ideas in their social context including political, economic, and religious thought. *3 semester hours*

Hi 55 American Business History I

A survey course oriented to the study of American business institutions and practices from the establishment of English colonial settlements in North America to the close of the eighteenth century. It includes the development and use of the joint stock by the English mercantile community in establishing colonies in America, the evaluation of a diversified colonial economic life based on mercantile capitalism, the conflict of interest between the English and British colonial mercantile communities as a factor causing the American Revolution, and problems of the American business community during initial quarter century of the infant republic. *3 semester hours*

Hi 56 American Business History II, 1800-1950

A survey course that examines the developing American business community during the Jeffersonian-Jackson era of "laissez faire" federal policy respecting the evolving banking, commercial, manufacturing and transport industries of the United States. Also

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examined in this course is the effect of the Civil War on American business, together with the role of the Railway industry in developing a national market, the rapid massive expansion of the American manufacturing plant and production, followed by the emergence of the Trusts and Financial Capitalism of the Twentieth Century. The course concludes with an examination of the Federal government's attempts to counter-balance the massive economic power of corporate capitalism with increased Federal regulations and the stimulation of a massive organized labor movement.

3 semester hours

Hi 150 Colonial America, 1607-1763

A study of the foundations of American civilization. The course commences with a brief survey of the indigenous Indian cultures and an examination of the character of the Indian-white relations. The colonial systems of Spain, France, and England are compared briefly. The course stresses the development of Anglo-American institutions with special emphasis on the influence of the Puritan legacy. An exploration of the origin and development of white attitudes toward the blacks is included.

3 semester hours

Hi 151 The Young Republic, 1763-1800

An examination of the coming of the American Revolution and the transition from colonial to national status. The confederation period, the forming of the Constitution and the Federalist era. Emphasis on the emergence of a national culture.

3 semester hours

Hi 152 Civil War and Reconstruction

The course will begin with an examination of American expansion in the 1830's and 1840's and conclude with a study of the effects of reconstruction. Included in the general analysis will be the development of Northern economic and social institutions; an evaluation of the ante-bellum South and the effects of slavery; the politics of crisis and sectional interests; the anti-slavery movement; the emergence of Lincoln; secession and war.

3 semester hours

Hi 153 The Emergence of Urban-Industrial America, 1860-1900

A course oriented to understanding the massive changes in the economic, political and social life of the United States, which occurred during the brief four decades span that begins with the Civil War and concludes with American overseas expansion in the closing years of the nineteenth century. Of prime concern are the factors that produced the transformation of the American nation from an "agrarian republic" into an "industrial-urban society."

3 semester hours

Hi 154 Twentieth Century America: A World Power

A study of the sources and theories of reforms attempted during the first half of the Twentieth Century to revitalize political and economic democracy in the United States. Of major concern in this course is the emergence of the United States as a leading power within the world community of nations. The application of domestic reforms and the assumption of global leadership are considered under the following topics: Theodore Roosevelt and the Progressive movement, Woodrow Wilson and the New Freedoms, Wilsonian Idealism and American Intervention in World War I, Republican Resurgency, Franklin D. Roosevelt and the New Deal, Expansion of the American Labor Movement, the United States and World War II, Post-War Frustration and the Communist Challenge, Korea and the Cold War.

3 semester hours

Hi 157 Diplomatic History of the United States, 1890-1933

This course treats the emergence of the United States from its traditional non-involvement to World Power. It deals with the New Manifest Destiny and the influence of the Spanish-American War and Theodore Roosevelt in bringing the United States into world politics. Also investigated are the Open Door Policy, Taft's Dollar Diplomacy and Wilson's "Missionary Diplomacy". America's entrance into World War I and writings concerning it will be treated, as also will the rejection of Wilson's leadership and the Wilsonian League. The contributions of the Republican era—the Washington conference, the Kellogg-Briand pact, the Hoover approach to Latin America and the Hoover-Stimson Doctrine of Non-Recognition—will be assessed. *3 semester hours*

Hi 158 Diplomatic History of the United States, 1933-1972

This course treats the involvement of the United States in World War II and the subsequent problems as leader of the Western nations. Roosevelt's foreign policy and the coming of the war are treated along with writings of Revisionists and anti-Revisionists of F.D.R.'s policies. Wartime diplomacy will be treated with emphasis on the development of post-war problems and the coming of the Cold War. Revisionist writings on the Cold War will be treated along with some criticisms of them. Present day problems of the United States as a world leader—Castro in Cuba, war in Indo-China, Arab-Israeli conflict, Far Eastern and European alliance systems—will be studied in their origins and present state. *3 semester hours*

Hi 165 The Frontier

A study of the American frontier, its heritage and influence on the development of American characteristics: political, social, cultural, economic. The study includes an analysis of the Turner thesis; a survey of sectional and regional evolution; New England, Middle Atlantic, and Southern; the Spanish borderlands, the Old Northwest; the Westward Movement: the Indian problem, mining, cattle, farming frontiers. *3 semester hours*

Hi 166 American Negro History

This course will begin with a general survey of the historical evolution of the American Negro from slavery to freedom and conclude with an examination of the contemporary problems of civil rights. Included in the study will be an examination of modern Negro leadership; their institutions, an analysis of federal legislation and Supreme Court decisions; an evaluation of the historical and social implications of the Moynihan Report; Black power, etc. *3 semester hours*

Hi 171 Constitutional History of the United States to 1865

Origins of the American constitutional tradition. Revolutionary ideas in action. Jeffersonian republicanism and federal judicial power. The nationalism of the Marshall court. The Taney court and the expansion of business enterprise. Slavery and sectionalism. The Civil War and the Constitution. *3 semester hours*

Hi 172 Constitutional History of the United States, 1865 to the present

Reconstruction. The Waite-Fuller court and the industrial revolution. Imperialism and the Constitution. Governmental efforts to restore competition. The police power and the Progressive Era. The tradition of national supremacy. A new era in civil liberties. The New Deal and the Old Supreme Court. Procedural safeguards and civil rights. The incorporation theory. *3 semester hours*

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Hi 163 History of Latin America I

Survey of the geography, the land, and the people of Latin American Republics. The Indian, Iberian and African background. The Iberian in the New World—discovery and conquest. Spanish government in America: kings, viceroys, and other important dignitaries. The Portuguese Empire in Brazil. The New World Breaks with the Old. Wars of Independence. Early constitutional developments. *3 semester hours*

Hi 164 History of Latin America II

Survey of modern Latin America: The Atlantic Republics; the Pacific Republics; Caribbean area. Dictatorship. Inter-American affairs. The Monroe Doctrine and its applications. Pan-American conferences. Organization of American States. Latin America's relations with the United States and other powers. Economic developments: Central American Common Market; Free Trade Association and the Latin American Common Market. The Alliance for Progress. Kennedy's Doctrine. Action for Progress. Nixon's Doctrine. *3 semester hours*

Hi 195 Modern Southeast Asia

A study of the formation of mainland southeast Asian cultures (Burma, Thailand, Cambodia, Laos and Vietnam) and an analysis of Chinese, Indian and Western influences on their development. Emphasis will be placed on the process of modernization in emerging nation states. *3 semester hours*

Hi 196 Twentieth Century China

Traces the major developments since the Chinese Revolution of 1911. A major theme is the struggle between the Nationalists and Communists in China. Special emphasis on the political, economic and social changes under Communism since 1949. Topics include Communist diplomacy, the "Great Leap" forward, and the thoughts of Chairman Mao on the Great Proletarian Cultural Revolution. *3 semester hours*

DEPARTMENT OF MATHEMATICS

**Associate Professors: Bolger (Chairman), Eiardi, Murray, Shaffer,
Wong**

**Assistant Professors: Dunn, Fox, Kelly, Lang, MacDonald, O'Neill,
Scully**

Lecturer: Green

For the student of Arts, Business, and the Social Sciences, the department of Mathematics seeks to give training in basic and necessary skills, to bring out the cultural and applied values of mathematics, to show the dependence of other branches of knowledge on mathematics. Students who are majoring in mathematics and the natural sciences will be introduced to mathematical analysis and prepared through a sequence of courses for advanced work in their fields or for graduate work in mathematics.

Ma 9-10 Liberal Arts Mathematics

The basic philosophy behind this course lies in the tradition of a Liberal Arts education in which mathematics has always played an important part.

Emphasizes the impact of mathematics on our culture by presenting mathematics as an art rather than as a science. Discusses the influence of mathematical concepts

on logic, philosophy and physics. Relates mathematics to other disciplines such as biology, economics and sociology. Presents brief biographical sketches of the great mathematicians. The aesthetic beauty of mathematics as a creation of the human mind is stressed. Hence calculation, techniques and manipulative skills play only a small role and therefore the student's background (or lack of it) in mathematics is of no consequence. *6 semester hours*

Ma 11 Mathematics for Business and the Social Sciences

The real number system; equations and inequalities; sets, relations and functions; systems of linear equations and inequalities; vectors and matrices; concepts of probability; combinations; conditional probability; Bayes formula. *3 semester hours*

Ma 12 Mathematics for Business and the Social Sciences

Random variables; probability functions; variance; binomial probability distribution; differentiation, maxima and minima, exponential functions; definite integrals, improper integrals; statistics; sample mean median; covariance; normal distribution. *3 semester hours*

Ma 13 Calculus I: Biology and Psychology majors

Plane analytic geometry; foundations of the calculus; differentiation and integration of algebraic functions; applications. *3 semester hours*

Ma 14 Calculus II: Biology and Psychology majors

Differentiation and integration of trigonometric, logarithmic and exponential functions; techniques of integration; applications. *3 semester hours*

Ma 17 Calculus I: Chemistry, Engineering and Physics Majors

The Rate of Change of a Function; Limits, Derivatives of Algebraic Functions, Applications, Integration, Applications of the Definite Integral. *4 semester hours*

Ma 18 Calculus II: Chemistry, Engineering and Physics Majors

Transcendental Functions, Hyperbolic Functions, Methods of Integration, Plane Analytic Geometry, Polar Coordinates, Vectors and Parametric Equations. *4 semester hours*

Ma 23 Calculus III: Chemistry, Engineering and Physics Majors

Linear Algebra: Vectors in n-Space, Vector Functions and their Derivatives, Partial Differentiation, Multiple Integrals. *3 semester hours*

Ma 24 Calculus IV: Chemistry, Engineering and Physics Majors

Vector Analysis, Infinite Series, Complex Numbers and Functions, Differential Equations. *3 semester hours*

MATHEMATICS MAJOR

Ma 15 Analysis I: Introduction to Real Analysis

Real numbers, plane analytic geometry and functions; limit, continuity and the derivative of functions; differentiation of algebraic functions; applications: maximum, minimum and inflection points, curve sketching and related rates. Polar coordinates; conic sections; translation and rotation of coordinate axes. *4 semester hours*

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Ma 16 Analysis II: Introduction to Real Analysis

Rolle's theorem, mean value theorem and Cauchy's theorem; indeterminate forms; antidifferentiation; the definite integral, applications: area, volume, center of mass, work and pressure; Logarithmic, exponential, trigonometric and hyperbolic functions; techniques of integration. 4 semester hours

Ma 21 Analysis III: Intermediate Real Analysis

Solid analytical geometry; vector analysis in two and three dimensions; elementary differential geometry. 3 semester hours

Ma 22 Analysis IV: Intermediate Analysis

The theory of convergence: sequences and series of constants, sequences and series of functions, uniform convergence, power series and Fourier Series. 3 semester hours

Ma 100 Fundamental Concepts of Advanced Mathematics

Logic, sets, maps (functions); equivalence relations and partitions; countable and uncountable sets; partially ordered, totally ordered and well-ordered sets; commentaries on the axiom of choice, Zorn's Lemma and the theorem of Zermelo; mathematical structures, the concept of an isomorphism and axiomatic systems; the Peano axioms for the natural numbers; the constructions of the integer, rational, real and complex number systems: Elementary theory of determinants; Applications of mathematical induction. 3 semester hours

Ma 103 Analysis V: Advanced Real Analysis

Functions of several independent variables: techniques and theory of partial differentiation, implicit function theory, Jacobians and mappings; Multiple integration; theorems of Green, Gauss and Stokes in rectangular and vector form. 3 semester hours

Ma 104 Analysis VI: Complex Analysis

Analytic function theory; Cauchy's Integral Formula; Cauchy's Integral Theorem; residue theory; contour integration; conformal mapping and applications. 3 semester hours

Ma 105 Analysis VII: Real Variables

Metric spaces, topological concepts: open and closed sets, convergence, continuity and homeomorphisms, connected spaces, compact spaces and the Heine-Borel theorem, complete spaces, theorems of Cantor and Baire, isometry and completion, Banach fixed point theorem, the Weierstrass approximation theorem. 3 semester hours

Ma 106 Analysis VIII: Real Variables

Measure theory; the theories of integration of Riemann, Stieltjes and Lebesgue; L_2 space, l_2 space, Hilbert space, Riesz-Fischer theorem, Fourier series. 3 semester hours

Ma 110 Elementary Differential Equations

Solutions of first order, second order, n -th order differential equations; numerical approximations; power series solutions; applications. 3 semester hours

Ma 111 Ordinary Differential Equations and Stability Theory

Solution of linear and nonlinear equations. Stability of solutions. Equal stress given to applications and techniques. Series solution of equations near regular and

singular points. Orthogonal Functions. Expansion of functions in Fourier, Fourier-Legendre, Fourier-Bessel series. 3 semester hours

Ma 112 Partial Differential Equations and Boundary Value Problems

Classical theory of Heat, Wave and Potential Equations in one, two and three dimensions. Mathematical formulations of physical problems, solutions in appropriate co-ordinate systems; physical interpretation of mathematical solutions (computer orientated). 3 semester hours

Ma 131 Abstract Algebra

Group theory and the Sylow Theorems; rings and ideals, integral domains, fields; vector spaces; algebras. 3 semester hours

Ma 132 Linear Algebra

Linear spaces and subspaces; linear independence and dependence; bases and dimension; linear operators; matrix theory; determinants and systems of linear equations; canonical forms; Eigenvalues and Eigenvectors; inner product spaces. 3 semester hours

Ma 133 Special Functions of Mathematical Physics

The Gamma, Beta, Bessel, Neumann and Hankel functions; Legendre polynomials; spherical harmonics; Green's function. 3 semester hours

Ma 151 Probability and Statistics I

The empirical study of variability; elementary theorems on mathematical probability; general theory of probability for finite sample spaces; random variables and their probability functions; Chebyshev's theorem for a probability distribution; Chebyshev's theorem for a frequency distribution of measurements. 3 semester hours

Ma 152 Probability and Statistics II

Joint distribution and continuous distributions. The binomial distribution. Statistical application of probability. Theory of sampling. Variances of sums and averages. Least squares, curve-fitting, and regression. 3 semester hours

Ma 170 Set Theory

Relations, functions, partial orderings, lattices, Boolean Algebras, cardinal and ordinal numbers, the Axiom of Choice and Zorn's Lemma (and other equivalents) and their applications, axiomatic foundations, paradoxes. 3 semester hours

Ma 172 Point Set Topology

Continuous functions; product spaces; quotient spaces; separation axioms; compact spaces; connected spaces; metrization theorems; complete spaces. 3 semester hours

Ma 180 Introduction to Computer Science and Numerical Analysis I

Digital computers are discussed and a remote terminal language APL is used. Numerical solutions of non-linear equations and systems of linear equations are obtained on a computer. Numerical Differentiation & Integration. 3 semester hours

Ma 181 Introduction to Computer Science and Numerical Analysis II

Fortran language, numerical solution of ordinary differential equations, error and stability analysis, boundary value problems, numerical solution of partial differential equations. 3 semester hours

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Ma 190-191 Honors Seminar

Participation is by invitation only and is open to those junior and senior mathematics majors with demonstrated ability who have been recommended by the mathematics faculty. The purpose of this Seminar is to provide the talented student with an opportunity to obtain experience in doing individualized study and research in current mathematical journals, under faculty direction. The participant is expected to present several reports on his findings before a group of the student's peers. The subject matter content of the seminar varies from year to year.

DEPARTMENT OF MODERN LANGUAGES

Professors: Croteau, Leeber (Chairman), McDonald

Associate Professors: Bukvic, Fedorchek, Guarcello, Panico

Assistant Professors: Bejel, Czamanski, Kolakowski, Scher, Stabile, Velazquez

Courses are offered in French, German, Italian, Portuguese, Russian and Spanish. By combining the best of traditional methods with the latest techniques, the department aims at imparting a progressive proficiency in these same languages for careers in teaching, diplomatic service, research and business. Special emphasis is placed upon the teaching of literature and culture.

Majors will ordinarily elect twenty-four upper-division credits beyond the advanced courses (31, 32) which include: an advanced course in composition and conversation, four semester courses in literature, a course in culture and civilization, and the Coordinating Seminar in Senior Year. The study of a second language is an integral part of the Major Program and begins in Sophomore Year.

I. FRENCH

Fr 11-12 Basic French

The purpose of this course is to teach the students not only to read French but also to pronounce correctly, to understand, to speak and to write French.

Three classes and one laboratory period per week per semester

6 semester hours

Fr 21-22 Intermediate French

In this course the principles of pronunciation and grammar are reviewed as needed for composition work and conversation both in the classroom and in the language laboratory. Literary selections are read not only for their aesthetic value but also because they reflect and illustrate characteristic traits of the French people and their typical culture.

Three classes and one laboratory period per week for 2 semesters

6 semester hours

Fr 31-32 Advanced French

The aim of this course is to introduce the student to the major works of literature. Emphasis will be placed on the literary and cultural significance of the texts. A primary goal will be to increase the student's reading ability through intensive analysis.

Three classes and one laboratory period each week for 2 semesters.

6 semester hours

Fr 101-102 Survey of French Literature

This course presents a general view of French Literature from its origins to the present day. Emphasis is placed upon the more important writers and the major literary periods. Conducted in French.

Prerequisite: Fr. 31-32 or its equivalent.

6 semester hours

Fr 121 Sixteenth Century Literature

A study of the Renaissance Period in France. Conducted in French.

Prerequisite: Fr. 31-32 or its equivalent.

3 semester hours

Fr 131 Seventeenth Century Classical Theatre

The course will be devoted to an examination of the plays of Corneille, Moliere and Racine. Stress will be placed on both the revelation of 17th century classical principles and the modern relevance of the plays. Some of the plays will be assigned for short interpretations by the students. A paper will also be required. Conducted in French.

Prerequisite: Fr. 31-32 or its equivalent.

3 semester hours

Fr 132 Seventeenth Century French Literature

A study of the major authors (exclusive of the dramatists) and their most important works. Conducted in French.

Prerequisite: Fr. 31-32 or its equivalent.

3 semester hours

Fr 138 Eighteenth Century Literature

Study of the most important novelists, dramatists and essayists. Conducted in French.

Prerequisite: Fr. 31-32 or its equivalent.

3 semester hours

Fr 141 Poetry and Drama of the Nineteenth Century

The emphasis will be heavily on the poetry of the 19th century, from Romanticism through Symbolism and including Baudelaire and the Parnassian poets. Stress will be placed on both the development of the Romantic poetry into the Symbolist Movement and relevance of this poetry to modern literature. Students will be required to present a short analysis of some of the poems in class. A paper will also be required. Conducted in French.

Prerequisite: Fr. 31-32 or its equivalent.

3 semester hours

Fr 142 Novel of the Nineteenth Century

Study of the most important novelists and their master works. Conducted in French.

Prerequisite: Fr. 31-32 or its equivalent.

3 semester hours

Fr 152 Masters of the Modern French Novel

A study of the novel from the second half of the Nineteenth Century to the present day, with emphasis on Balzac, Flaubert, Maupassant, Zola, France, Bourget, Proust, Gide, Mauriac, Sartre, Camus. Topics will include developments in technique, innovations in subject and the effect on the novel of philosophical and scientific currents.

Prerequisite: Fr. 31-32 or its equivalent.

3 semester hours

Fr 153 Existentialist Literature

This course will deal with the works of Malraux, Sartre, Camus, Simone de Beauvoir, and others; it will treat the existentialist view of man and the world as it

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emerges from novels, plays, and essays. Frequent reports plus critical papers required. Emphasis on class discussion.

Prerequisite: Fr. 31-32 or its equivalent.

3 semester hours

Fr 181 French Phonetics and Conversation

This course is intended to assure fluent and accurate use of the spoken language. Correct pronunciation reviewed and drilled through phonetic transcripts and the imitation of recorded artists.

Prerequisite: Fr. 31-32 or its equivalent.

Required course for French Majors in Sophomore Year.

3 semester hours

Fr 182 French Stylistics and Advanced Composition

This course is intended to assure proficiency in the written language. Model passages from the great writers studied, analyzed and imitated with a view toward developing the student's own accurate and precise style.

Prerequisite: Fr 31-32 or its equivalent.

Required course for French Majors in Sophomore Year.

3 semester hours

Fr 185 Advanced Grammar, Composition and Introduction to Stylistics

A review of grammar on the advanced level with the aim of improving written composition and introducing the student to elements of French style and composition.

Prerequisite: Fr. 31-32 or its equivalent.

3 semester hours

Fr 186 Advanced Conversation and Applied Linguistics

The course will concern itself with the development of the student's ability to express himself in French on every day topics and current issues. It will endeavor to develop in the student a greater awareness of the idiomatic uses and general structures of the French Language. Students will be called upon to give talks on French magazine articles they have read, and on topics of cultural and general interest. Students will from time to time present in class dialogues that they have prepared.

Prerequisite: Fr 31-32 or its equivalent.

3 semester hours

Fr 192 French Civilization and Culture

The main currents of French civilization are presented by means of lectures and student participation in written and oral reports. The geography, history, literature and fine arts of France are scanned and studied as a basis for class discussions. Conducted in French.

Prerequisite: Fr 31-32 or its equivalent.

3 semester hours

Fr 197-198 Coordinating Seminar

Required of seniors concentrating in French. Readings and studies in a specialized area of French, under the direction of a staff member, designed to fill the special needs of specific students, at the discretion of the Department Chairman. Conducted in French.

Hours by arrangement

6 semester hours

II. GERMAN

Gm 11-12 Basic German

The purpose of this course is to teach the students not only to read German but also to pronounce correctly, to understand, to speak and to write German.

Three classes and one laboratory period per week per semester.

6 semester hours

Gm 21-22 Intermediate German

In this course the principles of pronunciation and grammar are reviewed as needed for composition work and conversation both in the classroom and in the language laboratory. Literary selections are read not only for their aesthetic value but also because they reflect and illustrate characteristic traits of the German people and their typical culture.

Three classes and one laboratory period per week for 2 semesters.

6 semester hours

Gm 23-24 Readings in Scientific and Cultural German

This course is designed not only for Science majors but also for those students of German needing a broad coherent picture of the development of German culture and civilization.

Prerequisite: Gm 11-12 or at least two years of high school German.

Three classes and one laboratory period per week for 2 semesters.

6 semester hours

Gm 31-32 Advanced German

The aim of this course is to introduce the student to the major works of literature. Emphasis will be placed on the literary and cultural significance of the texts, a primary goal will be to increase the students' reading ability through intensive analysis.

Three classes and one laboratory period each week for 2 semesters.

6 semester hours

Gm 101-102 Survey of German Literature

This course presents a general view of German Literature from its origin to the present day. Emphasis is placed upon the more important writers and the major literary periods. Conducted in German.

Prerequisite: Gm 31-32 or its equivalent.

6 semester hours

Gm 131 Eighteenth Century Literature

A study of the principal authors of the Enlightenment, Sturm und Drang and Early Classicism such as Lessing, Goethe and Schiller. Conducted in German.

Prerequisite: Gm 31-32 or its equivalent.

3 semester hours

Gm 142 Late Classicism and Romanticism

A study of the later works of Goethe and Schiller as well as the masterworks of Kleist, Grillparzer and other important authors. Conducted in German.

Prerequisite: Gm 31-32 or its equivalent.

3 semester hours

Gm 162 Nineteenth Century Literature

A study of the principal authors of Biedermeier, Naturalism, Impressionism, et. Conducted in German.

Prerequisite: Gm 31-32 or its equivalent.

3 semester hours

Gm 171 Modern German Literature

A study of the outstanding authors and literary movements since 1890. Reading and discussion of plays, fiction and poetry of Hauptmann, Schnitzler, Thomas Mann, Werfel, Rilke, Gerooge. Conducted in German.

Prerequisite: Gm 31-32 or its equivalent.

3 semester hours

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Gm 181 German Conversation

This course is intended to assure fluent and accurate use of the spoken language. Correct pronunciation reviewed and drilled through phonetic transcriptions and the imitation of recorded artists.

Prerequisite: Gm 31-32 or its equivalent.

Required for German Majors.

3 semester hours

Gm 182 German Stylistics and Advanced Composition

This course is intended to assure proficiency in the written language. Model passages from the great writers studied, analyzed and imitated with a view toward developing the student's own accurate and precise style.

Prerequisite: Gm 31-32 or its equivalent.

Required for German Majors.

3 semester hours

Gm 192 German Civilization and Culture

The main currents of German civilization are presented by means of lectures and student participation in written and oral reports. The geography, history, literature and fine arts of Germany are scanned and studied as a basis for class discussions. Conducted in German.

Prerequisite: Gm 31-32 or its equivalent.

3 semester hours

Gm 197-198 Coordinating Seminar

Required of seniors concentrating in German. Readings and studies in a specialized area of German, under the direction of a staff member, designed to fill the special needs of specific students, at the discretion of the Department Chairman.

Hours by arrangement.

6 semester hours

III. ITALIAN

It 11-12 Basic Italian

The purpose of this course is to teach the students not only to read Italian but also to pronounce correctly, to understand, to speak and to write simple Italian.

Three classes and one laboratory period per week per semester *6 semester hours*

It 21-22 Intermediate Italian

In this course the principles of pronunciation and grammar are reviewed as needed for composition work and conversation both in the classroom and in the language laboratory. Literary selections are read not only for their aesthetic value but also because they reflect and illustrate characteristic traits of the Italian people and their typical culture.

Three lectures and one laboratory period per week for 2 semesters.

6 semester hours

It 31-32 Masterworks of Italian Literature

The aim of this course is to increase the student's reading ability by introducing him to the masterworks of Italian Literature especially the "Divine Comedy" of Dante.

Intensive reading is done in class for comprehension, analysis, criticism and discussion.

Three classes and one laboratory period per week for two semesters.

6 semester hours

It 121-122 Dante and "Divina Commedia"

A study of the "Divina Commedia" in the light of the literary, political and religious ideals of the period.

Prerequisite: It 31-32 or its equivalent.

6 semester hours

MODERN LANGUAGES

It 141 Nineteenth Century Literature

Reading, analysis and literary criticism of the *Risorgimento* and its principal writers and works, especially Manzoni, Foscolo and Leopardi.

Prerequisite: It 31-32 or equivalent.

3 semester hours

It 151 Italian Lyric Poetry

Survey of Italian Lyric with emphasis on 19th and 20th centuries. Comprehension, appreciation and literary criticism of content and style of selected works.

Prerequisite: It 31-32.

3 semester hours

IV. RUSSIAN

Ru 11-12 Basic Russian

The purpose of this course is to teach the students not only to read Russian but also to pronounce correctly, to understand, to speak and to write simple Russian.

Three classes and one laboratory period per week per semester.

6 semester hours

Ru 21-22 Intermediate Russian

In this course the principles of pronunciation and grammar are reviewed as needed for composition work and conversation both in the classroom and in the language laboratory. Literary selections are read not only for their aesthetic value but also because they reflect and illustrate characteristic traits of the Russian people and their typical culture.

Three classes and one laboratory period per week for 2 semesters.

6 semester hours

Ru 31-32 Masterworks of Russian Literature

The aim of this course is to increase the student's reading ability by introducing him to the masterworks of Russian Literature. Intensive reading is done in class for comprehension, analysis, criticism and discussion.

Three classes and one laboratory period per week for two semesters.

6 semester hours

Ru 101-102 Survey of Russian Literature

A general view of Russian Literature from its origins to the present day. Emphasis is placed upon the major literary periods and the more important authors.

Prerequisite: Ru 31-32 or its equivalent.

6 semester hours

Ru 192 Russian Civilization and Culture

The main currents of Russian civilization are presented by means of lectures and student participation in written and oral reports. The geography, history, fine arts of Russia are scanned and studied as a basis for class discussions.

Prerequisite: Ru 31-32 or its equivalent.

6 semester hours

V. SPANISH

A student wishing to Major in Spanish may elect upper division courses which concentrate either in the literature, culture and civilization of SPAIN or that of SPANISH AMERICA.

The Spanish American Area Program is conceived to provide a comprehensive historical and intellectual approach to a better understanding of Spanish American nations through an interdisciplinary course of study.

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Sp 11-12 Basic Spanish

The purpose of this course is to teach the student not only to read Spanish but also to pronounce correctly, to understand, to speak and to write Spanish.

Three classes and one laboratory period per week per semester

6 semester hours

Sp 21-22 Intermediate Spanish

In this course the principles of pronunciation and grammar are reviewed as needed for composition work and conversation both in the classroom and in the language laboratory. Literary selections are read not only for their aesthetic value but also because they reflect and illustrate characteristic traits of the Spanish people and their typical culture.

Three classes and one laboratory period per week for 2 semesters.

6 semester hours

Sp 31-32 Advanced Spanish

An advanced language course stressing composition, conversation and review of troublesome points of syntax. Reading and study of selected works of Spanish and Spanish American authors. Emphasis on training and development of skills required in literary analysis.

Three classes and laboratory period each week for 2 semesters.

6 semester hours

Sp 101-102 Survey of Spanish Literature

This course presents a general view of Spanish Literature from its origin to the present day. Emphasis is placed upon the more important writers and the major literary periods. Conducted in Spanish.

Prerequisite: Sp 31-32 or its equivalent.

6 semester hours

Sp 111-112 Survey of Spanish American Literature

Reading and critical analysis of the more important writers. Special emphasis on literary currents in Spanish America and their relationship to socio-historic and aesthetic reality.

Prerequisite: Sp 31-32 or its equivalent.

6 semester hours

Sp 116 Gauchismo

The Gaucho as theme and motif in diverse genres of the literature of the River Platte region.

Prerequisite: Sp 31-32 or its equivalent.

3 semester hours

Sp 117 Indianismo

The Indian as principal theme and motif in diverse genres of Spanish American Literature.

Prerequisite: Sp 31-32 or its equivalent.

3 semester hours

Sp 118 Spanish American Essay

A study of the socio-political contents and aesthetic qualities of representative works from the Colonial to the Contemporary period.

Prerequisite: Sp 31-32 or its equivalent.

3 semester hours

Sp 119 Spanish American Drama and Short Prose Fiction

Representative dramas and/or short stories from the period of Independence to the present.

Prerequisite: Sp 31-32 or its equivalent.

3 semester hours

Sp 131-132 Spanish Literature of the Siglo de Oro

A study of the more important writers of the Late Renaissance and the Baroque Period in Spain. Special emphasis placed on the drama and lyric poetry. Conducted in Spanish.

Prerequisite: Sp 31-32 or its equivalent.

6 semester hours

Sp 141-142 Nineteenth Century Literature

Reading and analysis of the most significant writers and genres of the Romantic Movement in Spain. Realism and Naturalism in Spain. Conducted in Spanish.

Prerequisite: Sp 31-32 or its equivalent.

6 semester hours

Sp 145 Spanish American Novel I

Romanticism, Realism and Naturalism in the novel of the nineteenth century.

Prerequisite: Sp 31-32 or its equivalent.

3 semester hours

Sp 146 Spanish American Novel II

Salient works from Modernism to the Contemporary period.

Prerequisite: Sp 31-32 or its equivalent.

3 semester hours

Sp 148 Spanish American Poetry

Analytical study of selected authors whose works are demonstrative of literary currents in evidence from the Colonial period to the present.

Prerequisite: Sp 31-32 or its equivalent.

3 semester hours

Sp 151 Masters of the Spanish Novel

A study of the novel from the time of Cervantes to the present day, with emphasis on the picaresque novel, the realistic and regional novels of the Nineteenth century. Special attention given to the "Quixote" of Cervantes. Conducted in Spanish.

Prerequisite: Sp 31-32 or its equivalent.

3 semester hours

Sp 171-172 Modern Spanish Literature

A study of the most representative writers of the Generation of '98 (Fall); readings and lectures with class discussions of the contemporary poets, novelists and dramatists (Spring). Conducted in Spanish.

Prerequisite: Sp 31-32 or its equivalent.

6 semester hours

Sp 181 Spanish Conversation and Composition

This course is intended to assure fluent and accurate use of the spoken and written language. Correct pronunciation reviewed and drilled through phonetic transcriptions and the imitation of recorded artists.

Prerequisite: Sp 31-32 or its equivalent.

Required course for Spanish Majors.

3 semester hours

Sp 182 Spanish Stylistics and Advanced Composition

This course is intended to assure proficiency in the written language. Model passages from the great writers studied, analyzed and imitated with a view toward developing the student's own accurate and precise style.

Prerequisite: Sp 31-32 or its equivalent.

Required course for Spanish Majors.

3 semester hours

Sp 187 Practical Applied Linguistics

A study of the differences between Spanish and English, and of the major difficulties in Spanish which confront the native English speaker. Although the course is

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broad in scope, the work ranges from the basics of pronunciation, lexicology, and comparative structure to rules of current usage. Particular attention will be given to such points of interference as the subjunctive, the verbal system, *ser* and *estar*, and others.

Prerequisite: Sp 31-32 or its equivalent.

3 semester hours

Sp 191-192 Hispanic Civilization and Culture

The main currents of Spanish civilization are presented by means of lectures and student participation in written and oral reports. The geography, history, literature and fine arts of Spain and Latin America are scanned and studied as a basis for class discussions. Conducted in Spanish.

Prerequisite: Sp 31-32 or its equivalent.

6 semester hours

Sp 193 Spanish American Civilization

A study of the cultural heritage of Spanish America. Pre-Columbian, Hispanic and other European influences.

Prerequisite: Sp 31-32 or its equivalent.

3 semester hours

Sp 197-198 Coordinating Seminar

Required of seniors concentrating in Spanish. Readings and studies in a specialized area of Spanish, under the direction of a staff member, designed to fill the special needs of specific students, at the discretion of the Department Chairman.

Hours by arrangement.

6 semester hours

VI. PORTUGUESE

Pg 11-12 Basic Portuguese

The purpose of this course is to teach the student not only to read Portuguese but also to pronounce correctly, to understand, to speak and to write Portuguese.

Three classes and one laboratory period per week per semester.

6 semester hours

Pg 21-22 Intermediate Portuguese

In this course the principles of pronunciation and grammar are reviewed as needed for composition work and conversation both in the classroom and in the language laboratory. Literary selections are read not only for their aesthetic value but also because they reflect and illustrate characteristic traits of the Luso-Brazilian peoples and their typical culture.

Three classes and one laboratory period per week for 2 semesters.

6 semester hours

MI 169 The Realist Novel of Nineteenth-Century Western Europe in English Translation

The focus of this course is the study of realism in the novel as an approach to the individual and society. Emphasis is placed on close textual analysis to achieve comprehension of the work as well as the technique. Countries represented are France, Russia, Spain, Germany and Portugal.

3 semester hours

MI 179 The Search for Self-Knowledge: Aspects of the Modern Psychological Novel

The course will study major works of fiction in Europe and Latin America: Dostoevsky, Kafka, Sartre, Camus and others. Emphasis will be placed on the forms and evolution of individual self-awareness, the problem of self-consciousness, the relationship between the self and the world.

Taught by various members of the department. Conducted in English with English translations. Not for language major credit.

3 semester hours

SCHOOL OF NURSING

Dean: Dolan

Associate Professor: Kennedy

**Assistant Professors: Bernardin, Camp, Crutchlow,
MacAvoy, Mohr, Obrig, Pomarico, Sideleau, Slater**

The curriculum of the School of Nursing seeks to provide a strong base in the liberal arts and sciences as well as the theory in nursing necessary to prepare a committed and compassionate practitioner of nursing; capable of providing professional nursing care to people with nursing needs in whatever setting they may be encountered. Nu 21-22 is open to non-nursing majors.

Nu 11-12 Introduction to Nursing I & II

Presentation and consideration of the various aspects of the nursing role, and of the forces, both internal and external which have shaped it over time.

1 lecture, 1 clinical laboratory period *4 semester hours*

Nu 21-22 Nursing in Health I & II

Identification of basic human needs and rights throughout the life continuum. Exploration of the interaction between man and environment and of factors effecting health and health care. Experiential learning focused on health of people of all ages.

2 lectures, 2 clinical laboratory periods *8 semester hours*

Nu 31-32 Nursing Management I & II

Nursing therapies as directed toward effecting change in individuals of all ages and families who have had some degree of interference with homeodynamic and homeokinetic states. Related experience in a variety of health care facilities.

2 lectures, 3 clinical laboratory periods *10 semester hours*

Nu 33-34 Medical Management I & II

Medical management of conditions which interfere with homeokinetic processes in individuals of all ages.

2 lectures *4 semester hours*

Nu 41 Nursing Management III

Nursing situations focused upon are more stressful and complex and the student will assume a greater degree of responsibility for providing total nursing care. Clinical learning experiences will be provided in settings in the community and within specialized settings where intensive care is provided for both children and adults who have critical interference with homeodynamic and homeokinetic states.

2 lectures, 4 clinical laboratory periods *6 semester hours*

Nu 42 Nursing Management IV

A continuation of Nursing Management. Will focus upon the collaborative role of the nurse and upon the problems related to the transition from student to new graduate. Practicum will be in a setting chosen by the student within the limitations imposed by faculty and clinical resources.

1 lecture, 2 clinical laboratory periods *3 semester hours*

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Nu 43 Medical Management III

Extension of Nu 33-34 in which the focus will be upon the etiology, prevention, pathophysiology, diagnostic methods and therapies related to alteration in the health state which are critical, complex and stressful.

3 lectures

3 semester hours

Nu 45 Theories of Change - Their Application in Nursing

Theories of change and how it is effected, including the change in behaviors related to the teaching-learning process, are explored. Students will have the opportunity to assess need for change and to implement and evaluate a plan to effect change in individuals, families or groups in one or more of the settings in which she is provided with clinical learning experiences.

2 lectures, 1 clinical laboratory period

3 semester hours

Nu 47 Community Health Assessment

Course provides the theoretical background, including statistics, necessary to assess a community to determine its needs and resources, its organization in relation to health and social services and their relationships to one another.

Methods and processes used in epidemiology will be utilized in the assessment process and provide the theory necessary to develop a research design.

2 lectures, 1 clinical laboratory period

3 semester hours

Nu 48 Research in Nursing

Introduction to formal methods of research, and its application in nursing. Student has the opportunity to design a study of a nursing problem which has been identified as a result of her clinical learning experiences. Implementing the research design will be optional and will carry additional credits.

1 lecture, 1 clinical laboratory period

2 semester hours

DEPARTMENT OF PHILOSOPHY

Professors: Grassi (Chairman), Grossman, Maher (Emeritus)

Associate Professors: Dykeman, Johnston, Long, Myers, Newton, L.

Assistant Professors: Cardoni, Carr, Coleman, Tong, Trinkle

Philosophy is a quest for truth, for ultimate values. The objective of our program, then, is to develop in the student a philosophic habit of mind by which he seeks to discover these values. We feel that the quest and the values are interdependent; the mind feeds on value but values do not submit themselves except through critical evaluation of one's experience. Although there is no one prescribed methodology by which this critical attitude is developed, the emphasis in our program is placed on a blend of the thematic and the historical. Only in the light of their evolution and cultural context can values be thoroughly understood.

Philosophy is delimited and defined today by three major schools: analytic philosophy, existentialism and phenomenology, and speculative or traditional philosophy. Each tradition is represented in Fairfield University's philosophy program. This variety of perspectives gives a broad outlook to the student. The rigor of the program develops confidence and skill within the student.

Course Requirements for Philosophy Majors

1. The three core courses—Ancient, Medieval, Modern-Contemporary.
2. Two courses, each an intensive study of a major philosopher such as Plato, Aristotle, Augustine, Kant, Aquinas, Dewey, etc. In these courses, special emphasis will be placed on the use of primary sources.
3. A course considering the elements of traditional and modern Logic.

Ph 11 Studies in Ancient Philosophy

An introduction to philosophy through a study of the writings of one or more figures of the period. 3 semester hours

Ph 12 Studies in Medieval Philosophy

A close study of one or more philosophers in the medieval period.

3 semester hours

Ph 103 Logic

An introduction to traditional (Aristotelian) and standard mathematical (modern) methods and principles of deduction and induction, and some of the issues in the philosophy of logic arising from this introduction.

3 semester hours

Ph 104 Modern Philosophy

A study of one or more important philosophers in the period from Bacon to Kant. Emphasis is placed upon a critical examination of their writings.

3 semester hours

Ph 105 Contemporary Philosophy

An analysis of the issues in contemporary philosophy through representatives of one or more of the major schools of thought, e.g., Pragmatism, Existentialism, Phenomenology, Naturalism, Marxism, etc.

3 semester hours

Ph 106 Studies in Modern and Contemporary Philosophy

A close study of the thought of two or more philosophers since the time of Bacon and Descartes. At least one philosopher studied would be from the 17th or 18th century.

3 semester hours

Ph 107 Aesthetics

An initiatory course treating the fundamental issues and representative methods of modern aesthetic theory and their relationships to practical criticism. These theories of imaginative and expressive value will be treated in their oppositions as well as individually.

3 semester hours

Ph 108 Theory of Value

An investigation of the genesis and nature of value and the development of scales of value.

3 semester hours

Ph 109 Theories of Meaning

An examination and an inquiry into theories of meaning from Aristotle to Wittgenstein.

3 semester hours

Ph 115 Metaphysics

This course is concerned with the nature and importance of a metaphysical view of the world. The course considers the characteristics and principles of being as being, and our knowledge of being.

3 semester hours

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Ph 117 History of Ancient Philosophy

The origin and development in Greek and Roman thought of some of the major Western philosophical traditions. *3 semester hours*

Ph 118 History of Medieval Philosophy

The development of philosophical problems from the Patristic period through Spanish Scholasticism of the 16th Century. *3 semester hours*

Ph 118.1 Late Medieval & Renaissance Philosophy

An examination of dominant philosophical themes in the writings of Duns Scotus, William of Ockham, Meister Eckhart and in texts representative of Renaissance Platonism, Skepticism and Mysticism. The thrust of the course will be to establish or refute the philosophic continuity of medieval and renaissance thought. *3 semester hours*

Ph 119 Aquinas

A critical examination of the more representative and influential works of Aquinas, including the "Summa Theologica", "Summa Contra Gentiles" and the "Commentaries" *3 semester hours*

Ph 121 The Pre-Socratic Philosophers

A study of the conceptions of philosophy and science to be found in the writings of the Milesians, Iliatic, Pythagorean and Atomist Schools of Philosophy. *3 semester hours*

Ph 129 Philosophy of Education

An analysis of philosophical problems involving education. Special consideration will be given to contemporary movements in educational philosophy. *3 semester hours*

Ph 130 Sartre—Heidegger

A critical examination of Sartre's "Being and Nothingness" and Heidegger's "Sein und Zeit". Such existential notions as "freedom, bad faith, nothingness; facticity, etc." will be examined. *3 semester hours*

Ph 131 Descartes

An investigation of major doctrines and themes of Cartesian thought and the dominant forms of Cartesian criticism. *3 semester hours*

Ph 132 Nietzsche and Kierkegaard

The course concentrates on the major writings and central insights of the two thinkers. It attempts, also, to determine and evaluate their contributions to the development of contemporary Existentialism and to current radical thinking about God and morality. *3 semester hours*

Ph 133 Introduction to Oriental Philosophy

A coherently developed account of the salient features of the two philosophical traditions of China and India as contrasted with each other and with the Western tradition. *3 semester hours*

Ph 133.1 The Chinese Tradition: A close study of the Philosophy of History and Culture

This course is an interdisciplinary study of Chinese culture as a living tradition as well as a historical reality. Using philosophy as the guiding and unifying factor, it at-

tempts to present a general picture of China's cultural heritage through the changing contexts of Chinese history. *3 semester hours*

Ph 134 The Psychology and Philosophy of Karl Jaspers

This course is an inquiry into the situation of modern man. The inquiry will critically examine the scientific basis of psychology and its relation to the human and the spiritual condition of modern man. The basic question of the course is, "What form and content does philosophy have therefore for modern man and for mankind?"

3 semester hours

Ph 135 Leibnitz and Kant

A study of representative works of these two philosophers and their contribution toward an adequate grasp of nature and of man in the modern context.

3 semester hours

Ph 135.1 Kant

A critical examination of the writings of Kant, with special attention to his theory of knowledge and conclusions concerning metaphysics.

3 semester hours

Ph 136 Plato

This course will be concerned with central ontological and epistemological themes in selected early, middle, and late Platonic dialogues. Particular attention will be given to Plato's inclination to identify virtue with knowledge.

3 semester hours

Ph 137 Aristotle

An introduction to Aristotle thru seven of his works. An exploration of their relation to other works, their place in the scheme of the sciences and a thorough investigation of their subject matter.

3 semester hours

Ph 138 Post-Aristotelian Philosophy

A study of the central teachings in the Stoic, Epicurean, and Skeptical schools of philosophical thought.

3 semester hours

Ph 139 Augustine

A critical examination of several of the more representative and influential works in Augustinian corpus, including "The Confessions", "The City of God", "On the Trinity" and "On Free Will".

3 semester hours

Ph 139.1 Augustine & Camus

A critical examination of the philosophical writings of the two North African thinkers, with emphasis on common themes and development.

3 semester hours

Ph 140 The Free Will Issue

An investigation into the nature and development of the free will issue in the history of philosophy.

3 semester hours

Ph 141 The Ontological Argument

An analysis of Anselm's "Proslogion" Argument and eventually entering into the whole problem of the demonstrability of God's existence.

3 semester hours

Ph 142 Pluralism in Knowledge

An investigation of the question—whether there is another kind of knowledge separate and distinct from scientific knowledge.

3 semester hours

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Ph 143 Hume

A critical study of Hume's major essays with an emphasis on epistemology, ethics and politics. 3 semester hours

Ph 144 Philosophy of Consciousness

A scientific study of the order of consciousness from the perspective of the human being's concrete participation in the world with his body, soul, his intellect and his spirit. The recovery of principles adequate to theory and practice will be sought and interpreted with respect to the appropriate realms of being and experience.

3 semester hours

Ph 145 Philosophy of Order

An examination of some fundamental and representative types of order, their discovery and articulation in the history of mankind, for example, cosmological order and its embracing, pragmatic significance for orientation in the world; anthropological order and its proper formation in philosophy; historical order and its function with respect to civilization.

3 semester hours

Ph 146 Problems of Empiricism

An examination of some of the problems attendant upon the doctrine that the senses afford complete and final intelligence of natural reality.

3 semester hours

Ph 147 Scepticism

An examination of the major writings on Scepticism from Empiricus to the present day.

3 semester hours

Ph 148 Wittgenstein

A detailed study of Ludwig Wittgenstein's *Tractatus Logico-Philosophicus* and his *Philosophical Investigations* with a special concern for the connection between these two works.

3 semester hours

Ph 157 Modern Humanism

A study of the idea of the human person as developed in representative philosophers of classical antiquity, the Middle Ages, the Renaissance, the Modern and the Post-Modern world.

3 semester hours

Ph 158 Comparative Philosophy & Culture East & West

An examination of the relationship between philosophy and culture from the perspective of the historical destiny of mankind. A comparative study of the three great traditions of life and thought—namely, the Western, the Chinese, and the Indian—will be made through both the critical and historical approach.

3 semester hours

Ph 160 Contemporary Problems

An effort to bring the insights and methods of classical philosophy to bear on problems apparently peculiar to our age—drugs, the draft, pornography, ESP—to illustrate the perennial relevance of systematic investigation.

3 semester hours

Ph 161 Phenomenology

An introduction to the Phenomenological Movement, its origins and development. Special attention will be paid to selected texts of Husserl, Heidegger, and Merleau-Ponty.

3 semester hours

Ph 162 Analytic Philosophy

An introduction to the thought and the methodology of contemporary philosophers who, on account of their having taken the linguistic turn, are loosely grouped together as analysts. Selected age-old problems, such as truth, values, and the possibility of religious knowledge, will be discussed in the context of the writings of Russell, Carnap, Wittgenstein, Quine et al. *3 semester hours*

Ph 164 Philosophical Theories of Pleasure & Pain

The goal of this course is to acquaint the student with the great variety of philosophical understandings of the very nature of pleasure and pain and with some notable attempts to make definitive statements about the roles of pleasure & pain in human experience. Readings will be drawn from the works of a dozen or more philosophical authors both ancient and modern, and as well as from the works of certain modern short story writers. *3 semester hours*

Ph 183 Man and Ethics

This course is concerned with the nature of man and the meaning and significance of his moral experience. *3 semester hours*

Ph 184 Situation Ethics

An investigation into the philosophical origins of situation ethics and its theological implications. *3 semester hours*

Ph 185 Philosophy of Literature

An examination of the philosophy of literature (the general nature of poetry and prose) and philosophy in literature. *3 semester hours*

Ph 186 Philosophy of Science

An analysis and an inquiry into the principles, the methods and the facts of sciences as they are presented in the works of past and contemporary philosophers and scientists. *3 semester hours*

Ph 187 Philosophy of Religion

An exploration of sundry attitudes within, and responses to the Judaeo-Christian tradition: analysis of religious language, consideration of "theological veto," and the influence of existentialism on religious thought and expression. *3 semester hours*

Ph 188 Social and Political Philosophy

An analysis of the writings of leading social and political thinkers, with special consideration of the movements of protest and dissent. *3 semester hours*

Ph 188.1 Philosophy of the Social Sciences

A critical study of the foundation, origin and experiential range of the social sciences; the dimensions of appropriate methodology and adequate theory, facts and values, science and ideology are to be examined with respect to the concrete subject matter, namely, of history, psychology, sociology, political science and economics. *3 semester hours*

Ph 189 Philosophy of Law

An examination of the major questions of legal philosophy; the nature of legal rights and legal duties, the definition of law, and the grounds of legal authority. *3 semester hours*

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Ph 190 Philosophy of Responsibility

A critical inquiry into the emergence and significance of the concept of responsibility as a sign and an instrumentality of political ethics. *3 semester hours*

Ph 192 Organicism and Existentialism

A comparative study of two of the main streams in contemporary philosophy with a view to their possible synthesis. The basic writings of Whitehead and Heidegger as representing respectively the organismic and the existential position will be critically examined and evaluated. The question of Being will be raised in relation to the meaning of life, civilization and the world history of philosophy. *3 semester hours*

Ph 193 Philosophy and History

A investigation into the philosophical principles, historical methods and their interrelations. *3 semester hours*

Ph 194 American Philosophy

The origin and development of the American philosophical tradition and its culmination in Pragmatism. The relation of Philosophical ideas in America to literature, religion and politics. Major emphasis is given to the writings of Jonathan Edwards, Ralph Waldo Emerson, Charles Sanders Peirce, William James and John Dewey. *3 semester hours*

Ph 195 19th Century Philosophy

A study of German Idealism, especially Kant, Hegel, Fichte, etc.

3 semester hours

Ph 196 British Philosophy Since 1900

A consideration of the analytic tradition in Great Britain in its historical relations to other philosophies, ancient and modern. *3 semester hours*

DEPARTMENT OF PHYSICS

**Associate Professors: Hadjimichael, Harms, McElaney (Chairman),
Newton, Ring, Zabinski**

Assistant Professors: Khadjavi, Meli

The science of physics is concerned principally with matter and energy, the nature of each, and with their interactions. It is the fundamental science for most branches of engineering and has innumerable applications in medicine, industry and everyday life. The objectives of the Department of Physics are: 1. to impart knowledge of the general principles of physical science and to show applications to human problems; 2. to train the student in logical and accurate methods of observation, measurement and analysis; 3. to provide adequate training in the fundamentals of physics as a basis for medical, engineering and other courses of study; 4. to encourage those students with exceptional aptitude to pursue graduate work in physics.

There is a laboratory in the appropriate matter of each of the four years carrying 1 semester hour of credit each semester.

Ps 15 General College Physics I

Mechanics and Heat for students whose field of concentration will be Physics, Mathematics or Chemistry.

An introductory course. Rigorous mathematical derivations are used freely, but the methods of calculus are indicated only occasionally. A study of velocity and acceleration, Newton's Laws of Motion, work, energy, power, momentum, torque, vibratory motion, elastic properties of solids, fluids at rest and in motion, properties of gases; measurement and transfer of heat, elementary thermodynamics. 3 semester hours

Ps 16 General College Physics II

Electricity, Light, and Sound.

A continuation of Physics 15.

A study of magnetism and electronics, simple electric circuits, electrical instruments, generators and motors, the principles of the vacuum tube, characteristics of wave motion, light and illumination, reflection, refraction, interference, and polarization of light, color and the spectrum; production and detection of sound waves.

3 semester hours

Ps 81 General Physics I

Mechanics, Heat and Sound.

A course intended for students who do not concentrate in sciences and designed to give a cultural appreciation of the important laws of Physics together with an understanding of the scientific method. Rigorous mathematical derivations are held to a minimum. Topics emphasized are: force and motion; the laws of conservation of energy and momentum; structure of solids, liquids and gases; vibrations and waves; the laws of thermodynamics.

3 semester hours

Ps 82 General Physics II

Electricity, Light and Modern Physics.

A continuation of Physics 81.

Topics emphasized are: the electrical properties of matter; electromagnetic induction and electromagnetic waves; wave nature of light; the basic notions of special relativity; notions of quantum theory; the structure of the atom and nucleus; elementary particles.

3 semester hours

Ps 83 General College Physics and Topics in Biophysics

Mechanics, heat and thermodynamics, wave motion and sound for premedical students.

The fundamentals of each major area are treated rigorously, using calculus throughout. Following the study of basic theory in each major area the application of their theory to biological subject matter is studied as a biophysics topic. A study of velocity and acceleration, Newton's Laws of Motion, work energy, power, momentum, torque, vibratory motion, elastic properties of solids, biophysics of muscle, elasticity and breaking strength of bones; properties of gases, measurement and transfer of heat, elementary thermodynamics, bioenergetics; mechanical waves, sound as a mechanical wave in an elastic medium, sound and ultrasound in diagnosis and therapy.

3 lectures, 1 laboratory period

4 semester hours

Ps 84 General College Physics and Topics in Biophysics

Light, electricity and magnetism, and nucleonics.

A continuation of Ps 83.

A study of the nature of light, reflection, refraction, diffraction, and polarization of light; electrostatics, DC circuits, magnetic forces and fields, electromagnetic induction, AC circuits, electrical instruments, generators and motors, principle of the vacuum tube, bioelectric potentials in terms of active and passive transport; fundamental nuclear reactions, and elementary particles, use of radioisotopes in biology and medicine.

3 lectures, 1 laboratory period

4 semester hours

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Ps 85 Introduction to Astronomy I

This course is intended primarily for the student who is not majoring in the physical sciences. In addition to the elements of modern astronomy, the course will discuss scientific methods and the philosophy of science. Topics to be discussed include: an historical introduction, celestial coordinates, telescopes, the sun, moon, planets, comets and meteors.

3 semester hours

Ps 86 Introduction to Astronomy II

Continuation of Physics 85

Topics to be emphasized: stellar spectra, binary stars, galactic structure, star clusters, stellar populations, stellar evolution, and cosmological models.

3 semester hours

Ps 87-88 Oceanography I & II

This course focuses on a study of the nature and behavior of the oceans of the earth. Emphasis is placed on the consideration of the interaction of the oceans with the rest of the environment. Related matters in the field of geology and meteorology will be discussed. The course is designed primarily for students not majoring in science.

6 semester hours

Ps 89-90 Physical Geology I & II

The purpose of this course is to study the constant geological processes that establish and condition our environment. Topics will include the identification of sedimentary, metamorphic, and igneous rocks, their formation and mineral content and the effects of gradation. At least one field trip each semester will be required. Topics will include the weathering effects of wind and climatic actions on rocks. Also, earthquakes, volcanoes, and mountains will be discussed.

6 semester hours

Ps 93-94 Science of the Earth

The first semester of this course views the earth and its physical environment, its growth and its structure, and the resources it has given us. The second semester looks more specifically at some of the problems we produce for our environment: declining sources of energy, problems of pollution, and of transportation. This course is designed for the non-science major.

6 semester hours

Ps 122 Geometrical and Physical Optics

The nature and propagation of light, the laws of reflection and refraction, refraction and reflection at spherical surfaces, lenses and lens aberrations, optical instruments, interference, diffraction, resolving power, polarization, line spectra, thermal radiation, photometry and color.

3 semester hours

Ps 126 Mechanics and Properties of Matter I

Kinematics; force and motions of particles; work and energy of particles; Newton's Law of Gravitation and some of its consequences; free and forced harmonic oscillations.

4 semester hours

Ps 127 Mechanics and Properties of Matter II

Translational and rotational motion of rigid bodies; properties of solids and liquids; statics; wave motion.

3 semester hours

Ps 141 Thermodynamics

Temperature scales and thermodynamic systems; Carnot cycle; absolute temperature; entropy. The Laws of Thermodynamics; chemical, electric, and magnetic systems;

kinetic theory of ideal gases; distribution of molecular velocities; the Maxwell-Boltzmann statistics; applications of the Boltzmann statistics; quantum statistics.

3 semester hours

Ps 171 Electricity and Magnetism I

The laws of electrostatics and concepts of field intensity and potential; the derivation of Gauss' law and its application; dipoles, condensers and the energy of charged systems. Laplace's equation; magnetostatics and magnetic instrument. Vector operation; Ampere's law; galvanometers. Alternating currents and electromagnetic induction; inductively coupled circuits.

3 semester hours

Ps 172 Electricity and Magnetism II

Electric and magnetic fields in matter; solutions to Laplace's equation and the boundary value problems. Maxwell's equations and electromagnetic radiation; relativistic transformation of fields; polarization and the Zeeman effect. Electrical conduction in gases and plasmas. An introduction to the study of x-radiation and electron diffraction.

3 semester hours

Ps 185 Atomic Physics

Fundamentals of atomic and molecular structure; photo electric effect; special relativity; black body radiation; Bohr Theory; optical spectra; Compton Effect and x-rays: introduction to quantum mechanics.

4 semester hours

Ps 186 Nuclear Physics

Fundamentals of nuclear structure; alpha and gamma emission; beta decay; nuclear masses and spins; particle accelerators and detection devices; nuclear fission and fusion.

3 semester hours

Ps 188 Quantum Mechanics

This course is to introduce the student to the physical concepts and mathematical formulations of nonrelativistic quantum mechanics. Topics to be discussed will include: the Schrodinger wave equation, Fourier techniques and expectation values, operator formalism, angular momentum, central forces, matrix representations, and approximation methods.

Prerequisites: classical mechanics, atomic physics, advanced calculus, and differential equations.

4 semester hours

Ps 191-192 Physics Seminar

Designed for those students who intend to do graduate work in Physics, the seminar provides an opportunity for intensive investigation of selected topics at an advanced mathematical level. Participation in and credit for the seminar will be allowed only to those students selected by the faculty with the consent of the Dean.

ENGINEERING

Eng 111 Statics

Fundamentals of mechanics. Elements of vector algebra; equations of equilibrium for stationary systems, analysis of trusses, friction and distributed forces. Vector methods are used.

3 semester hours

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Eng 112 Dynamics

Basic principles of kinematics and kinetics of rigid bodies utilizing vector methods. Application to engineering problems. Topics covered include work and energy, impulse and momentum, curvilinear motion, plane motion, rigid body motion in three dimensions, mechanical vibrations.

3 semester hours

Eng 130 Introduction to Engineering

Introduction to the engineering profession. Analysis of current engineering problems including study of fundamental concepts: conservation laws, engineering design graphics, engineering calculation methods, computer programming and applications.

3 semester hours

DEPARTMENT OF POLITICS

Professor: Donnarumma

Assistant Professors: Dew, Felicetti (Chairman)

Instructors: Cassidy, Greenberg, Katz

A major in Politics shall constitute 30 credits: 6 at the lower division level (Po 10 and Po 11) and 24 at the upper division level. Each student must take two courses in each of the following fields in order to fulfill the requirements of the major: American Government and Politics, Political Theory/Methodology, and Comparative Politics/International Relations.

Po 10 Introduction to Comparative Politics

The concepts and dynamics of politics as "the master science." Analyses of conflict and government in various political systems: local, national, and international.

3 semester hours

Po 11 Introduction to American Politics

An examination of the American political system and the American political culture; consideration of the major political institutions in relation to policy perspectives; an examination of the ability of the political system to deal with societal problems; proposals for reform of the political system will be analyzed.

3 semester hours

Po 107 American Law and Social Responsibility

A study of the foundations of modern jurisprudence, dealing with the theories and systems of law; the forms and methods of trials, and law in the modern world and societal response.

3 semester hours

Po 108 State Politics

A study of state constitutions and powers; branches of the political edifice and the attendant bureaucracy including its dynamism. The problems of finances and budget are considered with some concern of the effect upon county and local government. Law enforcement and other selected problems and functions are included.

3 semester hours

Po 111 Western Political Thought I

Political theory from Plato to Locke. Plato, Aristotle and the Epicureans. The Stoics and the law of nature. Early Christian political ideas: Ambrose; Augustine and Gregory. The Roman lawyers. Church and state in the feudal regime; Aquinas and Dante. The conciliar theory, Machiavelli and the Reformers. English political theory in the seventeenth century: Hooker, Coke and Hobbes. *3 semester hours*

Po 112 Western Political Thought II

Political theory from Locke to the present. Locke and the "Glorious Revolution." French political thought and the Revolution: Montesquieu, Voltaire, and Rousseau. Hume and his destruction of the natural law; Burke and tradition; Hegel and his dialectic; liberalism; utilitarianism; Mill and a modernized liberalism; Marx and dialectical materialism; Modern communism, fascism and socialism. *3 semester hours*

Po 118 American Political Thought

To be considered are the philosophical roots of American political thought and the influence of the American revolutionaries, constitution-makers, Federalists, Jeffersonians, Jacksonians, Tocqueville, Civil War-makers, examiners of the welfare state, pragmatists and new frontiersmen on the contemporary American mind and institutions. Challenges and reform of the American political system will also be treated within the scope of political science through an application of the concepts of human nature, idealism, constitutional power and nationalism. *3 semester hours*

Po 120 European Politics

An analysis of the political institutions and dynamics of Great Britain, France, West Germany, Italy and the Soviet Union; the relationship between the political culture and the political system will be emphasized; foreign policies of the various nations as well as prospects for regional integration will be analyzed. *3 semester hours*

Po 123 Comparative Political Ideologies

3 semester hours

Po 131-132 Constitutional and Legal History of England

cf. Hi 131-132.

6 semester hours

Po 141 Political Development: Theory and Problems

Principles of comparative political analysis. Theories of socio-economic and political change. Illustrative cases of historical and contemporary societies in transition. Problems of ideology, nationalism, anomic violence, militarism, innovation, technological elitism, and revolution. Methods of economic and political planning. Community development. *3 semester hours*

Po 142 Political Development: Latin America

Shared traditions and problems; geographic and socio-economic conditions; parties, groups and governmental processes. A survey of the political dynamics and development problems in Mexico, Guatemala, Cuba, the Dominican Republic, Peru, Bolivia, Chile, Argentina and Brazil. *3 semester hours*

Po 144 Political Development: Southeast Asia

An analysis of the political institutions and dynamics of Vietnam, Cambodia, Laos, Burma, Thailand, Indonesia, Malaysia and the Philippines; problems of nation-building will be discussed; the war in Vietnam and the effects of the major world powers upon the area will be analyzed. *3 semester hours*

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second semester will focus on specific areas of psychology including perception, motivation, learning and personality in order to sharpen the student's awareness of the different kinds of methodological problems associated with these areas.

6 semester hours

Psy 13-14 Introduction to Psychology I & II

An extensive introduction to the field of modern psychology for the non-psychology major, with the view to further liberalizing and humanizing the student through a knowledge of scientific psychology. The nature of man, learning theory, motivation, mental health, psychopathology and psychotherapy are the major areas of content.

6 semester hours

Psy 15 Introduction to Psychology

A one-semester course designed to acquaint the student with the fundamentals of conditioning, perception, memory, heredity, and maturation, intelligence, motivation, emotion and selected topics in abnormal psychology. Essentially, it is an experimentally oriented course with a smattering of clinical psychology.

3 semester hours

Psy 101 Psychological Statistics I: Basic Statistics

This is an introductory course in statistical methodology and analysis as applied to modern psychology. It treats descriptive approaches to data, measures of central tendency, dispersion and relative position. Also included are correlational analysis, prediction, regression, sampling theory and tests of significance both parametric and non-parametric.

3 semester hours

Psy 102 Psychological Statistics II: Experimental Design

This is an advanced course in inferential statistics. Its purpose is to extend the student's abilities in the design and analysis of psychological experiments. Heavy emphasis will be given to the use of factorial analysis of variance, analysis of covariance, and non-parametric tests of significance. The course will include discussions on the use of hypotheses, theories, measurement, control, and the logical bases of experimental inference.

3 semester hours

Psy 105 Lab - Research Methods in Clinical-Social Psychology

Course designed to familiarize students with a variety of clinical-social psychological research techniques, as well as issues in research design and conduct with human subjects. The construction and administration of interviews, attitude surveys, observational techniques, as well as the analyses of data obtained by the students will be stressed. Laboratory exercises, replications of studies will also be included.

Prerequisites: Psy 11-12; Psy 101-102

3 semester hours

Psy 112 Psychological Testing

This course is designed to familiarize the student with the use, administration and interpretation of group psychological tests of mental ability, aptitude, achievement, interest and personality. Stress is on principles of test construction.

Prerequisite: Psychology 101.

3 semester hours

Psy 121 History and Systems Psychology

The aim of this course is to introduce the student to the patterns of thinking throughout early and modern history which have had their influence on the development of contemporary psychology. The student will be acquainted with past and present systems and theories of psychology, with emphasis being placed on the impact of modern science in changing prevailing modes of thought.

3 semester hours

Psy 132 Industrial and Business Psychology

This course focuses upon the general principles of psychology as they can be, and are now being applied in business and industry. The student will be exposed to the use of tests, counseling, and techniques of behavioral modification in the business community. 3 semester hours

Psy 148 Social Psychology

A study of the individual in social situations. Emphasis on crowds and crowd behavior, social movements, public opinion, propaganda, customs, conventions and other factors that stimulate and control social behavior. 3 semester hours

Psy 149 Advanced Lab - Social Psychology

Course designed for students interested in conducting research projects in the area of social psychology. Seminars will be devoted to planning research strategy and design, as well as the issues and problems that arise while conducting the study, analyzing and interpreting the data.

Prerequisites: Psy 11-12; Psy 101-102; Psy 105; Psy 148 4 semester hours

Psy 151A Abnormal Psychology

This course introduces the psychology major to the etiology, development and psychotherapy of mental disorders with special attention to personal adjustment and mental hygiene. 3 semester hours

Psy 151B Abnormal Psychology

This course is open to non-psychology majors and introduces the student to the etiology, development and psychotherapy of mental disorders with special attention to personal adjustment and mental hygiene. This course is less scientific and more humanistic than Psy 151A. 3 semester hours

Psy 161 Physiological Psychology—Independent Study

A one semester introduction to brain-behavior relationships, emphasizing the rudiments of neurophysiology, neuroanatomy, and neuropsychology. The latter includes the neural bases of aggression, sex, food and water consumption, fear, learning and memory. A Personalized System of Instruction (PSI) course in which the student's progress is measured by self-paced unit-mastery tests. 3 semester hours

Psy 163A Human Development

A developmental psychology approach to the growth of the child from birth to adolescence, tracing motor, perceptual, language, cognitive, and emotional growth. Normal and abnormal growth will be studied. Restricted to Psychology Majors. 3 semester hours

Psy 163B Human Development

A psychological approach to the growth of the normal child from birth to adolescence, tracing motor, perceptual, language, cognitive and emotional development. Open elective for non-psychology majors. 3 semester hours

Psy 165 Learning and Memory

The purpose of this course is to present the student with a basic understanding of principles of learning and memory. The course begins with a consideration of definitions; research methods and problems in the investigation of conditioning, reinforcement,

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extinction, generalization, discrimination, language learning, etc., followed by a critical analysis of the major theories of learning from Thorndike to the present. The course concludes with an attempt at synthesis, with special reference to applications of learning theory in such diverse areas as education, therapy, and cultural design.

3 semester hours

Psy 166 Advanced Lab - Learning and Memory

This course allows the student to become familiar with basic methods and procedures for the conduct of research in learning and memory. It begins with an introduction to animal and human research methods and procedures. Students will perform experiments in classical conditioning, operant conditioning, discrimination learning, verbal learning, etc. in both humans and infrahumans. The course concludes with a written and oral presentation of an original research design. The emphasis of the course is basic research in the psychological and psychophysiological aspects of learning and memory.

Prerequisites: Psy 11-12; Psy 101-102; Psy 165

4 semester hours

Psy 171 Advanced Lab - Physiological Psychology

Essentially a technique-oriented course designed to give those students who are planning careers in neuropsychology training in the basic rudiments of small animal brain surgery. These include aspirated lesions, stereotaxic ablation procedures, preparation of electrodes and actual implantation for electrical brain stimulation and electrical recording, perfusion and brain extraction, histological techniques, and behavioral measurement. A written mini-neuropsychology report is required in addition to the design of an original experiment. Two hours per week are spent in student-directed seminars devoted to an in-depth analysis of specific methodological areas.

Prerequisites: Psy 11-12; Psy 101; Psy 161

4 semester hours

Psy 172 Advanced Lab - Human Development

This course is designed for students interested in conducting research projects in the area of human development. Seminars will be devoted to research design and procedures, as well as discussions of problems encountered in gathering, analyzing and interpreting data for the studies.

Prerequisites: Psy 11-12; Psy 101-102; Psy 105; Psy 163A

4 semester hours

Psy 180 Perception and Cognition

A consideration of sensation and sensory processes will precede an extensive coverage of perception and perceptual learning with emphasis on human experimental data. The nature of perception processes involved in perception and perceptual learning, the many factors influencing perception, and the development of perception in the individual will be discussed. Closely integrated with the discussion of perception will be a consideration of cognition, including language, thought, ideation, problem-solving, creativity, and the nature of intelligence.

3 semester hours

Psy 181 Advanced Lab - Perception and Cognition

Students will plan, conduct, and write up several experiments dealing with any of a variety of perceptual and cognitive phenomena, such as the effect of different variables on the visual and auditory recognition of verbal and non-verbal material. Each student may also be asked to propose and design an original experiment which could conceivably be conducted at some later date.

Prerequisites: Psy 11-12; Psy 101-102; Psy 180

4 semester hours

Psy 184 Theories of Personality

The content of the course will be an advanced presentation, analysis, and evaluation of theories of personality from Freud through Skinner. The purpose of such a

course is not only one of theoretical enrichment and history, but is intended to broaden the student's understanding of the normal human personality in terms of theoretical structure, function and dynamics.

3 semester hours

Psy 185 Advanced Lab - Clinical Psychology

The application of clinical and personality theory to research. This will include learning about specific techniques such as questionnaires, tests, and interviews, and the utilization of these skills in independent projects.

Prerequisites: Psy 11-12; Psy 101-102; Psy 105; Psy 151; Psy 184

4 semester hours

Psy 187 Community Psychology

Focuses on a socio-psychological approach to issues in the community, i.e. mental health, crime, education. Covers the history and current developments in community mental health as well as theories of group and organizational dynamics as they relate to community mental health consultation.

3 semester hours

Psy 188 Advanced Lab - Community Psychology

An opportunity to apply the concepts learned in the Community Psychology course to a concrete work situation. This is accomplished by placing students in Community Agencies on a part-time basis, combined with supervision and discussion of different experiences.

Prerequisites: Psy 11-12; Psy 101-102; Psy 105; Psy 184; Psy 187

4 semester hours

Psy 190 Drugs and Behavior

A survey course discussing the psychopharmacological properties of the more significant drugs used for research and by society, in general. These include by class, alcohol and nicotine, the depressants and stimulants, the tranquilizers, the opium derivatives, and the hallucinogenic compounds. Particular emphasis will be placed on the drugs' site of action in CNS as well as behavioral alteration in the controlled and non-controlled environment.

3 semester hours

Psy 193 Environmental Psychology

Course designed to explore the relationships between the psychological aspects of man and the environment in which he lives. Students will be involved in selecting, designing, and conducting a class research project in the realm of environmental psychology. Class material will consist of trying to assess the relevant parameters of the environment in addition to its effect upon man.

3 semester hours

Psy 195 Honors Seminar in Psychology

This course is intended for a small number of highly selected seniors in the Honors program to explore in depth specific topics of special interest to them. Independent readings, class discussion, and oral and written reports will be stressed.

3 semester hours

Psy 199 Theories in Psychotherapy

The course will explore similarities and differences across a wide range of psychotherapeutic endeavors by means of lectures, films, and tapes. Traditional psychoanalytic techniques and more recent innovations in behavior therapy, existential therapy, transactional analysis, and Gestalt therapy will be covered.

3 semester hours

DEPARTMENT OF RELIGIOUS STUDIES

Associate Professors: Burns (Chairman), Caffrey, Levine,
O'Callaghan

Assistant Professors: Benney, Brackett, Devine, Humphrey, Thornburg

The curriculum in religious studies provides in an academic context the critical methodologies by which the light of intelligence is focused upon what man has thought about God, faith, religious experience, etc., in order to impart to the student an appreciation of what religion has meant and continues to mean to mankind. The student, with or without a personal faith-commitment, has the opportunity to acquire an inner sympathy with what believing man has valued most highly.

The courses offered in the Department of Religious Studies correspond to the educational development of students in three ways: 1. for the student of Liberal Arts who wishes to expand his experience of the humanities in the wisdom sciences by an investigation of the phenomena of religious experience and the study of religious beliefs, ideas, and values.

2. for the student who wishes to supplement his education in an allied field of major concentration with a more extensive and specific understanding of the literature, history, or present experience of a religion or religions.

3. for the student who wishes to pursue a major program, (a) as undergraduate preparation for a professional career (teaching, politics, business, journalism, art, etc.) wherein a knowledge of the intellectual and moral, personal and experiential, cultic, social and historical dimensions of religion and religious systems is of great value; (b) as a depth study of man's religious experience in its various forms in order to develop intelligently the best techniques and methods for coming to terms with ultimate questions of meaning in his own life; (c) as a program preliminary to graduate concentration in the study of religion and theology; students in this category will receive supplementary attention from the Department.

RS 10 Religious Studies

An introduction to the scientific study of the total religious achievement of man. The meaning and end of religion, its dimensions and function in the life and history of the human race and of the individual. An analysis of man's religious faith, values and authentic religious experience, as evidenced in the scriptures, traditions, doctrines, and history of the great religions, in the light of the principles and methods of theology, hermeneutics, and various other disciplines of the humanities. *3 semester hours*

RS 15 The Scriptures as the Word of God

Role of the Bible in Catholic Theology. The Inspiration, Inerrancy and Interpretation of Scripture. God's redemptive plan for mankind. The Record of Revelation in the Old and New Testaments. The convergent themes of the Bible. Christianity and Judaism. Salvation accomplished by Christ. Origin, structure and characteristics of the quadriform Gospel. The teaching of the Epistles. Vatican II's Dogmatic Constitution on Divine Revelation. *3 semester hours*

RS 22 Psychology and Religion

A consideration of certain types of religious consciousness and their symbolizations (Zen, Christian mysticism, psychedelic experience, Berger's "signals of transcendence") to determine whether there is a common core-experience and structure. The analysis will be based on Maslow's model of personality development and research into the structure of "peak experiences." Implications for a theory of religion will be discussed. *3 semester hours*

RS 25 The Church of Christ as the People of God

An ecumenical study of the inner life of the Catholic Church. Her relationship to other world religious bodies, to American Protestantism and the Democratic State. Vatican II's Dogmatic Constitution on the Church. Her origin, structure, development in the New Testament. Her members lay and clerical. Eschatological nature of the church. *3 semester hours*

RS 60 Religious Themes in Contemporary Literature

Two classical religious concepts, sin and salvation, will be examined in poetic and fictional versions. The course will follow, by descriptive analysis, different literary probings of moral evil and redemption. The literary and theological strategies needed for the sympathetic and critical reading of such works will be stressed. Discussion will center primarily on contemporary fiction: Flannery O'Connor, Faulkner, Vonnegut, Kazantzakis, Bellow, Malamud, Greene. *3 semester hours*

RS 61 The Problems of God-Talk

A consideration of the use and interpretation of religious language; its relationship to other kinds of language; its literary dimensions. The course will concentrate on practical analysis rather than linguistic theory in readings selected from widely different periods and genres. *3 semester hours*

RS 70 Fate and Predestination

An historical consideration of the concepts of fate and predestination in the Judaeo-Christian tradition and Islam, including an evaluation of this relation to a view of man with special reference to the persistence of astrology. *3 semester hours*

RS 100 The Protestant Reformation

An examination of the background and development of men, ideas and movements characteristic of the 16th Century religious reform on the continent: Luther, Calvin, Zwingli, Bucer, Munzer, Menno Simons. Each man will be studied in his context to show how this affected his understanding and implementation of the Protestant idea. *3 semester hours*

RS 101 Development of Christian Religious Thought

Major trends in Christian thought from the early Church to the Renaissance. An analytical survey of the contributions of outstanding men, of the development of significant ideas and institutions from the patristic age, through the rise and decline of Scholasticism, to the Renaissance. *3 semester hours*

RS 102 The Comparative Study of Religions

An introduction to the principles of the comparative study of religions. The nature of religious phenomena in primitive, classical and modern religions with some reference to the relation of the Church to non-Christian religions. *3 semester hours*

RS 103 Major Trends in Protestant Thought

A historical and theological examination of major Protestant ideas from the Reformation to the present. Moving from the context where these ideas emerged, study will focus on their development and expression in the changing context of succeeding periods, with reference to continuities and discontinuities. *3 semester hours*

RS 104 The American Religious Experience

An examination of the development of Religion in America with particular attention to the historical interplay of ideology and environment. *3 semester hours*

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RS 105 Protestant Theology in the Nineteenth Century

A survey of the great thinkers of the Protestant tradition in the nineteenth century, with emphasis on major developments since the Reformation. *3 semester hours*

RS 106 Protestant Theology in the Twentieth Century

An exploration of the major Protestant theological options of the twentieth century with an in-depth study of some particular instances of the information of the theological present from the past. *3 semester hours*

RS 106.1 Protestant Thought and Modern Science

The course will explore the ways in which Protestant thought provided a context for the development of modern science, and examine the latent dimensions in Protestant thought which led to the bifurcation of the sacred and secular. *3 semester hours*

RS 107-108 Aspects of Jewish Theology

A survey course, outlining the major trends within Jewish thinking, from the biblical to the modern eras. The first section covers the period to 900; the second, from 900 to 1900. *6 semester hours*

RS 109 Contemporary Jewish Theology

The thinking of contemporary Jewish theologians, including Martin Buber (Dialogue), Mordecai Kaplan (Reconstructionism), Israel Salant ("Mussar"), The Lubovitcher Rebbe (Hasiduth), Solomon Schechter (Conservative Judaism), Rabbi Kuk (Religious Zionism), Abraham Heschel (Religious Experience), Richard Rubenstein (Death of God). *3 semester hours*

RS 110 The Religion of the Semites

An introduction to the civilization of the Ancient Near East. The course will utilize original texts in English translation, and contemporary material related to the history of Semitic religions. It will emphasize those ideas and institutions which formed the content of the biblical civilization. *3 semester hours*

RS 120 Puritanism in England and America

An historical analysis of the Puritan "movement" with careful attention to characteristic men and ideas as these developed relative to prevailing cultural, political, and religious considerations. The intent of the course is to derive a more precise understanding of the term "puritan" and to illustrate the complexity of the Puritan idea as it was elaborated in England and America. *3 semester hours*

RS 124 The Spirit and Teaching of Vatican II

A detailed study of the background, development and deliberations of Second Vatican Council. The Church's witness of the world of today and tomorrow. The message and meaning of the sixteen Conciliar Documents—their impact on the Church, other Christian and non-Christian religious groups, and the secular world. An analysis of the council's Constitutions, Degrees and Declarations. *3 semester hours*

RS 125 Contemporary Theology of Christian Man

A critical examination of man's knowledge of his own nature and place in the world in the light of modern Christian thought. The systems of H. R. Niebuhr, G. Vann, P. Tillich, H. U. von Balthasar, J. Knox, and K. Rahner are examined and compared with a view to understanding their anthropological base. *3 semester hours*

RS 126 Contemporary Christology

The mystery of Christ in contemporary thought. A survey of major trends in Christology among modern theologians: Barth, Tillich, Bonhoeffer, Pannenberg, Rahner, Schillebeeckx, Hulsbosch, etc. *3 semester hours*

RS 134 Christian Spirituality

The following themes will be treated: Christian prayer, ordinary and mystical; basic methods of prayer. The spiritual teaching of the parables and the Sermon on the Mount. Spirituality of the layman. *3 semester hours*

RS 135 The Spiritual Theology of the Parables

The teaching and wisdom of Christ as contained in his parables: the primacy and centrality of love in the Christian life; hope and confidence; the goodness, compassion, mercy of God; the cost of discipleship; the tragedy of self-righteousness, etc. Of special concern is the application of the doctrine to contemporary man. *3 semester hours*

RS 136 Modern Atheism and the Problem of Belief

The course will consist of extensive readings in and discussion of the literature of contemporary Atheism, Agnosticism, Anti-theism, and "death of God theology" and their 19th century sources in Feuerbach, Marx, Nietzsche, Freud. An in-depth study of the 20th century situation will analyze the modern varieties of unbelief (Russel, Finstein, Sartre, Rostand, Whitehead, Altizer, Hamilton, etc.) and reflect on them in the light of Christian theology (Lepp, J. C. Murray, Tillich, etc.). *3 semester hours*

RS 137 Man and Sin

An historical and systematic study of the Christian understanding of man. Creation, the Fall, Sin and Grace will be examined in Scriptural, Patristic, Medieval and Modern thought, with emphasis on the relevance of these topics to secular humanism. *3 semester hours*

RS 138 The Problem of God

An historical and systematic study of the Christian analysis of the problem of God: the Trinity of Persons and the Redemptive Incarnation. The development of Christian thought on God will be examined in the New Testament, the Fathers, medieval and modern times, and will be related to contemporary atheism and the future of Christianity. *3 semester hours*

RS 139 The Theology of Teilhard de Chardin

A study of the impact of the thought of Teilhard de Chardin on the theology of Man, Sin, and Grace. *3 semester hours*

RS 142 Marriage and the Family

A study of marriage in Scripture and Christian tradition, as a secular reality and a saving mystery. A discussion of the basic obligations of husband and wife, sex and sanctity in marriage. The problems of Catholic marriage in a pluralistic society; the problems of contemporary family life. *3 semester hours*

RS 143 The Sacraments in Christian Life

A study of the function of the Sacraments as the source of Christian character, involvement and witness. Post-conciliar developments in the Liturgy and Sacraments will be related to current emphasis on the priesthood of the laity and the emerging role of the laity in the church. *3 semester hours*

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RS 150 New Testament Questions Today

A review of current discussions of New Testament matters: e.g., Jesus and the Dead Sea Scrolls; the consciousness of Jesus; the concept of Apostle; patterns of church order; marriage and divorce; the Eucharist; traditions about Jesus, inspiration, etc. The text of each subject will be examined in light of recent critical studies.

3 semester hours

RS 151 The Reinterpretation of the New Testament

An introduction to the critical study of the N.T. in which the methodologies of Literary, Form and Redaction Criticism will be explained. The varying N.T. titles for Jesus will be reviewed and compared with the original Jewish or Greek usage. The process of reinterpretation of Jesus in the N.T. will be reviewed in terms of the "New Hermeneutic".

3 semester hours

RS 154 The Writings of Paul

A study of the texts and recurring themes of the writings attributed to Paul. Particular emphasis will be on Paul's treatment of ethical situations, community and religious experience.

3 semester hours

RS 155 Eschatology: the Theological Meaning of History

The problem of time, history, and the future. The cosmological myth in archaic society and ancient empire; the emergence and development of historical eschatology and the apocalyptic thought in ancient Israel; the future expectation of Jesus; the problem of the delayed end in the early Church. The Augustinian solution of Church and empire; the modern secular and existentialist reinterpretation of eschatology.

3 semester hours

RS 157 The Good News of the Gospels

The Gospels of Matthew, Mark, Luke, John will be studied according to the methodology of Redaction Criticism. The theological positions of early Christianity as represented in each writer will be examined and compared.

3 semester hours

RS 160 Varieties in the Religious Experience

A study of unusual forms of man's approach to the experience of numinous reality. Three areas will be examined in detail: theologies:—Shakers, Pentecostals, prophetic cults; fads:—Astrology and its background; the Occult.

3 semester hours

RS 161 Prophetic Voices in Israel

A study of the texts of the great prophets of the Old Testament. Examination of their historical, cultural, national and conceptual contexts. Impact of their message on their own times. The prophetic conscience and tradition in the early Christian community. The transcendence of Prophetism and its relevance for today.

3 semester hours

RS 171 Contemporary Catholic Theologians

This course is designed to open up to the student the context of controversy within the contemporary Catholic Church. Basic problems of the authority of the Church, the "New Morality," the dimensions of faith, the new liturgy, etc., will be examined in the writings of contemporary Catholic theologians such as Rahner, Kung, Schillebeeckx, J. C. Murray, Teilhard de Chardin, Vann and others.

3 semester hours

RS 181 Modern Moral Problems

A study of the fundamental concepts of moral theology, the properties of Christian morality, in terms of the major emphases of contemporary Christian thought. Specific reference will be made to more significant current problems: conscience and law, freedom and obligation, personalistic and existential ethics, and the conflict of values in pluralistic society. *3 semester hours*

RS 182 Theology of the Secular Order and World Peace

Introductory survey of ancient, medieval, and modern theological thought on the secular order, the national state, and international community. The distinction between the natural and the supernatural as it bears upon the difference between the secular and the sacral. Writings of modern Popes and materials on the problems, legal, economic, and political, of world peace compared in order to probe the consequences of Christian commitment in the search for peace and ordered liberty among peoples of the world. *3 semester hours*

RS 183 Morality and Belief

The relationship of Christian faith to ethical reflection: foundations of moral theology in theological anthropology and theology of God in St. Paul, St. Augustine, St. Thomas, Luther, Barth, Rahner. *3 semester hours*

RS 184 Morality and Law

The philosophical problem of ethical reasoning by use of universal norms and particular applications in its relationship to faith-enlightened reflection within the Church concerning the teaching of practical consequences of faith in selected theologians. *3 semester hours*

RS 185 Theology of Revolution

The question of the relevance of Jesus and Christianity for the contemporary problem of revolution involves necessarily the historical question of Jesus' relationship to the revolutionary currents of his day. The course will study the relationship of Jesus to the religious and political movements of his time, particularly the Zealots, from the perspective of a critical approach to the NT materials, and relate this to the recent literature on the "Theology of Revolution." *3 semester hours*

RS 191-192 Contemporary Moral Problems I & II

The moral/ethical questions which involve a significant conflict of values in contemporary pluralistic society will be examined with particular reference to the insights of Christian Moral Theology. RS 191 will examine the problematic of war, violence, civil disobedience, and some questions from biomedical ethics, such as euthanasia, genetic manipulation, etc. RS 192 will give special attention to sexual ethics, obscenity, pornography, abortion, contraception, over-population, etc. *6 semester hours*

DEPARTMENT OF SOCIOLOGY

Assistant Professors: Anderson (Chairman), Burch, Fay, Fishman, Peloquin

The major objective of the program is to further an understanding and analysis of the social nature of man, as well as the forms of social behavior and social organization. To this end, the Department of Sociology is set up to accommodate four different student needs:

1. For the Liberal Arts student who wishes to broaden his cultural and humanities orientation through a deeper knowledge of society and the human personality;
2. For the student who wishes to supplement some other allied field of major consideration with better understanding of society and human behavior;
3. For those students who desire a basic undergraduate preparation as a broad base for entrance into professional, business, and executive programs, i.e., law, social work, public and industrial relations, publicity, personnel administration, and all other areas in which the professionally trained deal primarily with people and society;
4. For those students who desire a basic undergraduate training as majors in Sociology with a view to professional graduate studies. This latter group is the primary concern of the Department of Sociology.

Sociology majors must obtain at least 24 credits in Sociology. Required courses are: General Sociology I and II, Sociological Methods, Sociological Theory, Sociological Statistics, and Cultural Anthropology. All students majoring in Sociology must have at least a full year of college mathematics and should fulfill their science requirements in Biology.

Any student wishing to take any Sociology course without first having fulfilled the basic course General Sociology I and II (Sociology 11-12) must have the approval of the Chairman of the Department of Sociology.

So 11 General Sociology I

An introductory analysis of the social nature of man and the forms of social behavior; the structure and function of social organizations and social systems. Particular application of these principles to human society. *3 semester hours*

So 12 General Sociology II

Continuation of General Sociology I. Emphasis on social change and disorganization. Specific problems of social deviation are considered. *3 semester hours*

So 101 Sociological Statistics

An introductory course in statistical methods with particular application to the field of sociological research. Includes the organization of data, measures of central tendency and variability, correlation methods, sources of sampling error, and tests of significance. *3 semester hours*

So 103 Sociological Theory

A survey of the theoretical development of sociology and various schools within the discipline. Emphasis on major European and American theorists. Consideration of the nature and functions of sociological theory. *3 semester hours*

So 104 Contemporary Trends in Sociological Theory

Continuation of Sociology 103, Sociology Theory. An examination of the major themes developed in American and European sociology since 1920 to the present as embodied in the concepts of Structural-Functionalism, Sociology of Knowledge, Reference Group Theory, Role Theory and Symbolic Interactionism.

The works of Parsons, Mannheim, Sorokin, Merton, Mills Goffman, Reisman and the "applied" sociologists will be related to the problems of self and identity in the modern world. *3 semester hours •*

So 111 Cultural Anthropology

A non-historical consideration of one of the two principal divisions of anthropology. Focus of the course is on the concept of culture—its nature and structure, as well as the processes involved in its development, function, and change. Cross-cultural examination of social institutions. Major anthropological theories relating to culture, society, and personality. *3 semester hours*

So 112 Social Psychology

An analysis of individual behavior in the social situation, including such elements as motives, attitudes, and values; as well as the psychological dimensions of social organization. *3 semester hours*

So 121 Educational Sociology

The course consists in a study of the origin, growth and function of educational groups, the structure of the school as an institution in modern society, its place in the development of social traits in students, the relation of the school to other institutions—family, state, church, occupations, etc. *3 semester hours*

So 131 Rural-Urban Sociology

This course investigates the characteristics of rural and urban living, and the structure and organization of both types of community. The history, social structure, ecology, and significance of the American city are compared with the rural scene. *3 semester hours*

So 132 American Communities

A study of changes in American communities from preindustrial mercantile cities to modern industrial, urban and suburban centers of mass society.

The classic American community studies, the "Chicago School," Middletown, Yankee City, working-class and middle-class suburbs, small towns and megalopolis will be analyzed in terms of changes in concepts of community, power structures, lifestyles and personality types. *3 semester hours*

So 140 Sociology of Religion

A combined theoretical and empirical treatment of the sociology of religion. The character of religious institutions. The relations of religious institutions with other institutions in society. The internal social structure of religious institutions. Particular attention will be given to the process of secularization in the modern world and the crisis this poses for traditional religion. *3 semester hours*

So 152 Sociology of the Family

An analysis of the structure and function of the family system as a basic social institution. Attention to various forms of marital and familial behavior in America as compared to that of other cultures. The role of social change in family disorganization. *3 semester hours*

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So 153 Industrial Sociology

An application of principles of sociology to industrial organization, labor-management relations, and the social environment of the industrial system. Case studies in industrial relations.

3 semester hours

So 161 Social Stratification

An analysis of the nature and process of classifying society into hierarchical strata; the dynamics of social mobility; and the variations of social behavior in terms of social classes.

3 semester hours

So 162 Seminar in Social Change

A seminar course with student papers on selected topics on patterns and factors underlying social change in contemporary society. Emphasis is placed on relating four major theories of Social Change—Cyclical, Evolutionary, Functionalist and Conflict—to current concepts of violence and non-violence in Student, Black and Nationalist political movements.

3 semester hours

So 164 Methods of Research

A study of the nature and function of the scientific method as applied to the field of sociology. Particular consideration to specific techniques and tools used in behavioral research. Laboratory projects are part of the course.

3 semester hours

So 166 Race Relations

An analysis of the sociological and social psychological dimensions of race relations and ethnic interaction. While the focus of the course will be on the American scene, problems of race relations in other parts of the world will also be examined along with their importance for world politics. What sociologists and social psychologists have learned about improving race relations will be considered.

3 semester hours

So 182 Criminology

This course treats the origin, causes, and history of crime, the theories and methods of crime prevention; social factors in delinquency; case studies of delinquents and criminals; principles and techniques of punishment and rehabilitation.

3 semester hours

STUDENT WELFARE—FINANCIAL AID

SCHOLARSHIPS AND GRANTS-IN-AID

President's Scholarships

Full tuition scholarships awarded on the basis of academic excellence to students seeking entrance to the University and renewable on condition of satisfactory performance for three years. Created by the President of the University in December, 1965.

Headmasters' Scholarships

Four full tuition scholarships awarded to a graduating senior of the local public and parochial high schools in the towns of Fairfield, Bridgeport, Trumbull and Stratford. Scholarships were created to begin September, 1965 by the President of Fairfield University.

John P. Gahan Memorial Scholarship

A fund donated by friends of the father of John P. Gahan (Class of '61). John P. Gahan was killed after one year in school.

The Edward F. McPadden Memorial Scholarship

Created by the sister (Anabel McPadden Davey) of Mr. McPadden who donated \$10,000 for the fund.

Reverend John P. Murray Scholarship

A scholarship fund given to a member (or members) of the Glee Club. Scholarship was designated by the President of Fairfield University to begin September, 1965.

J. Gerald Phelan Scholarship

Donated by J. Gerald Phelan for a scholarship fund in 1964.

City Trust Company Scholarship

An annual gift of \$500.00 given by the City Trust Company.

Dramatic Society Scholarship

A scholarship awarded to a member of the Dramatic Society in return for assistance to the Director.

James E. Allen Scholarship

A gift of \$61,280—the income of which is to provide scholarships.

William Cummings and Brothers Scholarship

A \$15,000 scholarship fund established by Mary C. Cummings in January, 1968. Income to be granted to entering freshmen from the town of Fairfield.

Mechanics and Farmers Savings Bank Scholarship

A \$5,000 fund established on the occasion of the bank's 100th anniversary available to residents of Bridgeport, Easton, Fairfield, Milford, Monroe, Stratford, Trumbull and Westport, Connecticut.

Carlson Scholarship Fund

\$1,000 annually provided by the Carlson Foundation of Bridgeport.

The Frank J. Marchese Scholarship

\$1,000 annually provided in memory of Frank J. Marchese, a former member of the Fairfield University President's Advisory Council.

The Billy Taylor Scholarship

Granted annually to a black student from the Bridgeport-Fairfield area.

FAIRFIELD UNIVERSITY

Fairfield University Scholarships and Grants

In addition to the scholarships listed above, a limited number of scholarships and grants are awarded by the University. Their number and stipend depend upon the current status of revenues from which they are drawn. Academic performance and potential, as well as demonstrated financial need, are the criteria used in determining the recipients.

Supplementary Educational Opportunity Grants

Outright grants of from \$200-\$1000 are available to students demonstrating exceptional financial need.

LOANS

National Direct Student Loan

Loans of up to \$1000 per year are available under this program to students demonstrating financial need. No payments of principal or interest are required until after the student completes his education, at which time repayment at 3% interest may extend up to ten years.

Guaranteed Loan Program

Loans may be obtained at most banks in a student's home town under terms which are similar to those for the National Defense Program. All arrangements for these loans are made with the lending bank.

CAMPUS EMPLOYMENT

College Work-Study Program

Jobs on the campus may be arranged for students demonstrating a need for the expected earnings. Where possible the work assigned relates to the student's field of study.

University Employment

Students who are not eligible for participation in the Work-Study Program, but who desire extra spending money, may obtain employment in the cafeteria, the bookstore, and several other campus locations.

APPLICATION PROCEDURE

Candidates for financial aid must complete their regular application for admission to the University. In addition they should request an Application for Financial Assistance from the Director of Financial Aid. All candidates must also file a Parents' Confidential Statement with the College Scholarship Service. This form may be obtained at the candidate's high school.

Deferred Payment Plans

Arrangements for extended payment of tuition and room and board charges may be made with The Tuition Plan, Incorporated, and with Educational Funds Incorporated. Information on both plans may be obtained from the Office of the Treasurer at the University.

DEGREES CONFERRED

June 3, 1973

Honorary Degrees

DOCTOR OF HUMANE LETTERS

Sidney P. Marland, Jr.

DOCTOR OF SCIENCE

Rene Jules Dubos

CERTIFICATE OF ADVANCED STUDY IN EDUCATION

Vincent Paul Adinolfi
Dennis James Anderson
Barbara Ann Bolin
Josephine Catherine Bosch
Alton W. Cashman
Richard Cassiey
John R. Cleary
Ruth Corson
Carlton R. Cotnoir
Joseph Anthony Cristiano
George R. Dayharsh
Richard Francis DeNardis
Lawrence Michael DePalma
Faith Diamond
Mosha Epstein
Elaine Resnick Etkind
Dorothy M. Fasano
John W. Fontaine
Vijay Franklin
Bernard Goffin

Thomas William Golden
Robert Earl Groeschner
Marshall Louis Haddad
Emanuel Haliotis
Patricia Elizabeth Howell
Margaret Berger Kaul
Anne S. Kelley
Mary Ann Key
Harry James Letize
Richard David Lucas
John Thomas Luning
Joyce Eva Machell
Sister Marita Charles Murphy, R.S.M.
Anne Yerontakis McGrath
Thomas K. Noble
Raymond D. O'Connor
Frances M. Pagliaro
Georg L. Palmgren
Joanne L. Passaro
Willie S. Peters

Francis W. Poisson
Edward Joseph Quinn
Thomas Daniel Reid
John J. Reidy
George F. Roberts
George Thomas Ruffels
Douglas D. Salmon
George Andrew Sender
Jean Esterley Silva
John R. Smith
Edward J. Sullivan
Shirley Macary Sullivan
Hayward Louis Thaxton, Jr., II
August R. Tomasetti
Michael Leroy Turner
David Jonathan Ullman
Robert Ernest Vitale
John Allen White
Carolyn Helen Wu
Lawrence J. Zollo

Degrees in Course

GRADUATE SCHOOL OF EDUCATION

MASTER OF ARTS

Diana Maria Alvarez
Raymond Apicella, C.S.C.
Adele Aquila
S. M. Glorista Arackel (Aleykutty A.D.)
Sr. Angela Attanasio
Ralph Eugene Barile
Kathleen Marie Barndt
Mila Susan Baron
Barbara B. Barry
Robert Ann Bellows
John R. Bestor
Carol Linda Birgel
Alison Rood Birmingham
Joel William Blaskey
Anne C. Blattner
Therese M. Bonk
Robert Joseph Bosco
Edwin K. Boucher, Jr.
Suzanne Scott Bouton
Ann Walsh Bove
Patricia C. Boyle

Abraham Breslow
Deborah Delight Brown
Maureen Leddy Bruce
Marilyn T. Bryant
Sr. Doris Marie Buck, R.D.C.
Barbara Bulkovitch
Hope Whalen Burns
Iris Busch
Thomas John Cagganella
Marilyn Kerfoot Capizzano
Sr. Corine Carrigan
Margaret Rose Carvan
Ann Casagrande
Philip H. Cass
Elizabeth S. Celotto
Janet L. Chase
Diana C. Chasse, S.S.A.
Beatrice Chipouras
Mildred Magee Church
Michael Joseph Colasuonno
Sister Ellen Cole, S.S.N.D.

Jeanne Marie Collins
Jay John Colville
Sister Irene Comeau
Mary Agnes Conroy
Mary Helen Cook
John Joseph Corcoran
Peter Costa, C.F.C.
Dianne F. Cothran
Dolores Wilson Coviello
Janet Werner Cummings
Anthony Charles Daloisio
Bro. William Dominic Damato, C.S.C.
Beverly Y. Darch, C.S.C.
Rhoda F. Daum
Ann R. Daven
David A. Davio
Andrew P. DeGrazia
Stephen J. DeLuca
Douglas Joseph DelVecchio
Stephen J. Demanovich
John R. Dembosky

Richard Francis Demers
 Marjorie T. Dempsey
 Teresa de Tullio
 Joseph Carmine DiSette
 Donna Ann Domiziano
 Maureen Ellen Dooley
 Luba Kozak Dowling
 Kathleen Mary Dunn
 Joseph T. Dwyer
 Leonard C. Edwards
 Marion Wols Egan
 Stanley Marc Eisler
 Albert Napoleon Emond
 Gertrude Goldberg Engelberg
 S. Mary C. Fahy
 Mary Anne Luongo
 Clara F. Macchiaverna
 Carol Byrns Macho
 Paula Madey
 Elizabeth Lavery Maher
 Shirley D. Manasevit
 Anthony P. Mancini
 Joseph P. Mancusi
 Craig Bassler Mardus
 Elaine Frances Marks
 Philip R. Martel
 John F. Martin
 Norina L. Mastro (Sr.)
 Nancy Carole Maxwell
 Thomas McCauley Maxwell, II
 Sister Patricia E. Meidhof
 Sandra Marie Meimaris
 Marjorie D. Melanson
 Jean Miles
 Ruth Hedwig Miller
 Sr. JoAnne Miloslau
 Carol Renee Milove
 Gloris Jean Mintz
 Joan Mitchell
 Rev. Richard J. Monahan
 Teresita Bonilla Montero
 Helen Brookins Moore
 Carol R. Moran
 Sister Marie Morris, S.N.D.
 Mary Jane B. Morrissey
 Sylvester W. Munn
 Eric Mallory Munson
 Mary T. Murphy
 Sister Philomena Marie McCartney
 Martin P. McGrath
 Brother Terence McGrath, C.S.C.
 Suzanne McGraw
 Barbara P. McIndoe
 Dolores P. McKee
 Sheila McQuillen
 Tzvi Neiman
 Lawrence Tarbell Nichols
 William Robert Nordmark
 Stanley Paul Norman
 Lynda Marie O'Brien
 Ruth Ann O'Hara
 Dorothy Carolyn Orders
 Robert James Orzeck
 Jessie W. Patrick
 Raphaelia Bonito Petrillo
 Leslie Hansen Presson
 Jo Ann Principi
 Mary Kathleen Quinlan

Mrs. Helen M. Readey
 Sister Ann Cecilia, O.P. Regan
 Sister Patricia Aubertine
 Virginia Auster
 Sister Frances Bager, R.S.M.
 Jorge Ignacio Bahamonde
 James R. Bannon
 Sister Mary Fallon
 Sister Denise Farrands
 Sharon McCarthy Feighery
 Joanne Shaw Flag
 Michael J. Flynn
 Marion Edelman Gans
 Nelson Gene Gathagan
 Cynthia Mary Gelati
 William V. Geraghty, Jr.
 Norma Albrecht Gerwig
 Elaine M. Gillotte
 Gayle S. Ginter
 Thomas M. Glynn
 Gary G. Gombar
 Stephen Graeber
 Raymond D. Grant
 Patricia Grassi
 Irving Greenberg
 Eileen Sue Greenberger
 Bruce Robert Grenon
 Thomas F. Griesback
 Alberta Neuler Grossman
 Sister M. Albertine Gumienny
 Pamela Caldwell Hall
 Claire E. Hanlon
 Josephine Krinsky Hapsen
 Arthur D. Harrington
 Mark Daniel Harris
 Sister Regina Mary Hausmann
 Sr. Kathleen M. Healion
 Nancy J. Heron
 Sister Claire Heroux, D.H.S.
 Judith K. Holding
 Thomas Heistand Hollinger
 Matthew John Huber
 Nancy Stark Huepper
 Marilyn Malin Hufcut
 Elizabeth Frances Hunter
 Sebastian J. Interlandi, Jr.
 Sister Josephine Iota
 Sister Mary Ruth Irving
 Sister Mavis Jewell
 Robert Allen Jewett
 Rosemarie D. Joosten
 Dennis P. Joyce
 Sister M. Clarissima Kaczmarek
 Natalie Evans Kass
 Martha Ann Keiser
 Marjorie Keller
 Anne Kelly
 Sister Mary Kelly
 Brother Matthew John Kelly, C.S.C.
 Sister Ruth Kelly
 Ruth H. Kemish
 Ralph Thomas Kilmon, Jr.
 Andrea Elizabeth Kirkman
 Rosalind J. Koskoff
 Robert A. Kral
 Sr. Mary Diane F. Krantz
 Janet Hentoff Krauss
 Thomas Steven Kretsch

Dolores Kubiczka
 Anne Louise Kuzma
 Ann Marie C. LaFlamme
 Sister Maria Cordis Lamendola
 Frank William Langr
 Andrea D. LaPerche
 Richard R. LaTorre
 Jack F. Leary
 Attila Paul Levai
 Mei-Chuan Lin Li
 Ernest Carmine Lisi
 Robert M. Love
 Karen Reichenbach
 Susan Pollard Reilly
 Rosemary Gray Rembetsy
 Claire Renaud
 John Michael Repicky
 Irene Flanagan Reynolds
 Alice K. Rice
 Amadeo Rinaldi
 Nancy Beck Roach
 Carolyn Joan Roland
 Grace Walsh Rooney
 Elizabeth Lynn Rosenfeld
 Steven Ross
 Linda Bogart Rovero
 Sister Mary Ruth Roy
 Rev. Robert J. St. Martin
 Linda M. Salvo
 Anthony Samuelian
 Domenic L. Santossio
 Rena Schine
 Mark A. Schmidt
 Richard George Schumacher
 Annette C. Seirup
 Elaine Shanazu
 Marlene Murphy Sheehan
 Nellie Stover Shepherd
 Sister Marie Sigmund
 Justina Mary Simmel
 Hadara M. Sisay
 Sister Anita Smith
 Gregory M. Smith
 George J. Soberick
 Stewart Spraggins
 William Edward Stein
 Howard Norman Stolzenberg
 Dana Michael Stone
 Jane Linda Storrs
 Timothy Peter Sullivan
 Rev. Edward Surwilo
 Elizabeth J. Sutter
 Sr. Mary Michaline, C.S.F.N. Szczepanska
 Helen Szubinski
 Louise Williams Thomas
 Patricia A. Toohey
 Mary Toppo
 Mary Louise Toussaint
 David Joseph Wilfred Turmel
 Robert W. Ulrich
 Raymond Nicholas Velez
 Mary Ann Elizabeth Vitti
 Rafaela Volpe
 Joyce Walendzik
 Loraine Wallace
 Robert John Wargo
 Nancy Bloxson Witherington

**GRADUATE SCHOOL OF COMMUNICATIONS
MASTER OR ARTS**

Roberta A. Baffa
Theodore M. Belfanti
David Carl Blanton
Ernest F. Braatz
Sandra Jeanne Braychak
Richard Henry Carr
Thomas S. Catalano
Jovita Melendez Cerezp
Theodore Albert Cheney
Sharon Lee Cohen
Doreen Dayy
Robert J. Estony
James W. Fahey
Vijay Franklin
Charles F. Frazer
Gerhard Friedrich

Kathleen Margaret Gill
Barry Edward Goldenberg
Laurence I. Graham
Charles Mallory Graves
Elaine Flora Graves
Russell Albert Harding
Winifred L. Hayes
Maurice William Hommel
Richard I. Kagel
Susan Robinson King
Margot Ann Lande
Richard A. Lefebvre
Thomas Joseph Lennon
Rev. John J. Lynch
Rev. Joseph F. Mahoney, S.J.
Ralph H. Major, Jr.
Reynold Francis Martin

Walter F. Meads
Alan Mirabelli
Peter Patrick O'Neil
John Alan Pistel
William Thomas Redgate
Robert Raymond Rollauer
David Anthony Rourke
Mary D. Russell
Allan Wayne Ryff
Lynne G. Salop
William G. Seekamp
Paul H. Sladkus
Craig George Stevens
George T. Sulick, Jr.
Steven Louis Varga
Lawrence E. Woodward, II

SUMMA CUM LAUDE

BACHELOR OF ARTS
SISTER MARY VIRGINIA MAHER

MAGNA CUM LAUDE

BACHELOR OF ARTS
ROBERT PATRICK BYRN (Classics)
ANTHONY MICHAEL CAPASSO
MARY CAROLINE DONNARUMMA
MARTIN PATRICK O'CONNOR
GARY WAYNE PELOQUIN
SUSAN EILEEN TEER
ALICIA MARIA VELAZQUEZ

BACHELOR OF SCIENCE
JOHN ANDREW BALINT
FRANCIS JOHN GOODMAN
JOYCE MARY LASINI

CUM LAUDE

BACHELOR OF ARTS

David James Brannick
William Henry Carey, III
Robert George Cloutier
Kevin G. Curtin (Classics)
Andre Daniel Dorval

Marianne Elizabeth Kelly
Martin Joseph Kelly
Mark Philip McGuire
Beryl Ann Neyrey

Nancy Burns Olewine
Thomas Francis Spievak
Donald Richard Starski
Robert Caesar Tremaglio
Alan John Tyma

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James Michael Bagarazzi
Philip Anthony DiMenno
Jules Toraya

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Joel Phillip Agresta
Thomas Arthur Alfano
John Robert Altieri
Susan Maryann Arcari
Michael Pasquale Argento
Richard Charles Baker
Suzanne Linda Barry
Edward David Barth
Raymond Joseph Bastnagel
Bart Joseph Beardsley
William Francis Beyer
Robert Joseph Blair
Hugh D'Arcy Blake
Brian George Blakely
Thomas John Bligh
John Francis Bopp
Terry Paul Bottinelli
Donald Arthur Boucher
Robert Carl Bouza
Steven Michael Boyle
Daniel Dennis Braccio (Classics)
William Kevin Bradshaw
Leonard Edwin Branch, III
Daniel Edward Brennan
Thomas Eugene Broadhead
Robert Emmett Brogan
Gregory Joseph Brown
James Scott Buist
John Clinton Burland
Catherine Elizabeth Buxton
Stephen Henry Bzdya
Christine Nancy Callinan
Dennis Bernard Cannon
Mel Paul Cartocetti
Philip Joseph Carzasty

Anthony Francis Caserta
Reinaldo Castello
Francis John Cherichello
Anthony Bartolo Cincotta
Rosemary Clark
Cynthia Anne Close
Lila Lee Coddington
Nicholas George Collicelli
George James Collins
Daniel Freeman Condon
Michael Henry Condon
Stephen Paul Conk
Charles Patrick Cooney
David James Corcoran
William John Corey, Jr.
Brian Joseph Coroso
Gary Charles Crossen
Micheal John D'Andrea
Thomas John Dannaher
William Charles Danton
Anthony Patrick Daston
Dennis Carl DeAngelis
Diane Marie DeCicco
Robert Francis Deerin
Charles C. Demos
John Joseph DePaola
Lawrence Joseph DeTullio
Paul Tobias DeVitto
Alfred Dinbergs
Suzanne Marie DiStefano
Michael Joseph DiVe1 yo
Peter Gilroy Donovan
Kenneth Joseph Doughty
Frederick Joseph Dudek
Thomas Edward Duffy

Frederick Kemmitt Dunlap
Mark Joseph Dunning
John Lewis Dwyer
William Joseph Dziezyc
Martin Joseph Eagan
Robert Vincent Eberhard
David Richard Fabbri
Richard Francis Fagan, Jr.
William Joseph Fagan
Cynthia Marie Farhart
Michael Francis Farrell
Kevin Anthony Fay
David John Fleming
Philip Curtis Floyd
Armand Gerard Fortier
Gregory Arthur Foster
Alfred Hugh Fox, Jr.
Thomas Francis Xavier Fox
Alfred Alexander Gabriele
Robert Vincent Gambardella
Raymond Louis Garassino, Jr.
Ernest Anthony Gardella
Jo Ann Gardiner
David Michael George
Peter John Ginocchio
Peter Rosario Giuliano
Gerard Gregory Gorman
Timothy Joseph Grace
William Boyd Graham
Elaine Barbara Green
Christopher Joseph Gregor
David William Griffin
George Thomas Groom
William Nicholas Guerrera
Anthony Frank Gugliotti

Henry Stephen Guterres
Lawrence John Halloran
Philip Joseph Hanley
Thomas Joseph Healy
Janet Alice Heim
Thomas Kenneth Henry
Wayne Anthony Herzog
Stephen Gerard Hicks
Stanley Christopher Hiriak
Janet Mary Hoffman
John Frederick Hogan
Patrick Michael Hogan
John White Horan
Terence Lee Horan
Bruce Michael Howard
Richard Bernard Kaminski
Peter Raymond Keating
Brian Michael Keefe
Robert William Keefe
Russell Thomas Keenan, Jr.
Edmund Peter Kenar
John James Keough, Jr.
Christopher Albert Kinney
John Frederick Kinney
William Richard Kohl
John Robert Kondos
JoAnne Johnson Kosak
James Paul Krotki
Edward James Kubik
Thomas John Kwasniak
Robert Shelley LaFlamme
Catherine Elizabeth Lacobelle
Eugene Anthony LaPorta
Joseph Thomas Lapp
Robert Kent Lapping
Allan John Lauderowicz
Terence Gerald Leary
Richard Neville LeFebvre
Cathleen Frances Lenihan
Stephen Malone Lennox
James Robert Lewis
Michael Linnemann
Mark Raymond Lombardi
Daniel Joseph LoParco
Kenneth Richard MacNulty
Peter Munroe Madden
Carl Martin Maffeo
Thomas Charles Maguire
James William Maher
Daniel James Mahoney
William E. Mahoney
Thomas Frank Manni
Stephen Francis Marchiony
Charles Edward Matthews
John Thomas Mayock
Christopher Mark McCaffrey
Kevin William McCann
Gary James McCarthy
Peter Sean McClellan
Thomas Michael McDade
James Joseph McDonnell
John Robert McDonough

Thomas Joseph McElrath
Timothy Edward McEndy
James Gerard McEttrick
Kevin Christopher McGonegal
Kevin Francis McKee
Francis Douglas McKenna
Peter John McNaughton
Helen Theresa McVann
John Stanley Mekrut
William John Melaugh
William Carlton Merritt
Paul Sebastian Miano
Gerard Guy Michaud
Richard Anthony Midlin
John Brian Miggins
Bernard Joseph Monks
Richard James Morelli
Eugene Michael Mulvaney
Frederick Michael Muratori
Carolyn Elizabeth Murphy
Deborah Marie Murphy
Maureen Margaret Murphy
Richard Joseph Murphy
Stephen Robert Murphy
Victor Henry Nau
James Bernard Nolan
William Jay Nolan
Edward Francis O'Brien
Patrick Stephen O'Brien
Martin Patrick O'Connor
Mark Joseph O'Donnell
Patrick Joseph O'Leary
Stephen Paul O'Malley
Carmen Vincent Onalfo
Brian Christopher O'Regan
John Raymond O'Rourke
Pedro Ortiz
Thomas Mott Osborne
James Gerard O'Shaughnessy
Stephen Lewis Ouelette
Peter Braian Owen
Edward Joseph Palma
Craig Frances Palmer
Stephen Papadopoulos
James Robert Petrosini
Peter F. Pettie
Kenneth Gerard Phelan
James Joseph Pilch
Rudolph Victor Pino, Jr.
John Paul Potterton
Vincent Annibale Procaccini
Lawrence Santo Puzzo
Joseph John Ramondetta
Juozas Algirdas Raskys
John Joseph Raymond
John Henry Reilly
Robert Michael Reilly
Robert Vincent Reilly
William Anthony Richards
Donald Alan Richardson
Clinton Joseph Roberts

William Claiborne Robinson
John Raphael Roche
Stephen John Romano
John Edward Romeo
Gary Charles Roscillo
Michael John Royston
William Joseph Ryan
Steven Peter Sabra
Anthony Sebastian Salerno
Harry John Scanlan
John Jerome Schanck
William Russell Schwaner
Daniel Thomas Sciarra (Classics)
Michael John Sciocco
Claire Ann Shaughnessy
John Edward Sheehan
Robert Joseph Sheridan
David John Skeffington
William Thomas Slattery
Robin Joseph Smith
Bruce Alan Solnik
Francis Martin Smoko
Thomas Joseph Sowinski
Drake Hoyt Sparkman, III
Christopher Earnshaw Spence
James Roger Stenger
David Theodore Stone
William Francis Striebe
Paul James Stuhlman
Richard Brandon Supp
Jonathan Wetherby Swift
Robert Joseph Szewczyk
Richard Edward Tereba
Patrick Teubner
Stephen Edgar Thibault
John Edwin Thiel
Paul Matthew Toaso
Mary Jo Toland
James Emmanuel Trakis
Robert George Treano
Peter Philip Trozzo
James Edward Truelove
Robert Eugene Unkel
Daniel Thomas Veale
William Frederick Verrilli (Classics)
Thomas John Vetri
William Leo Vickerson
Mark Charles Vuono
Dennis Bruce Wagner
Richard Stanley Wallace
Paul McCauley Walsh
Christopher George Weigl
Lawrence Anthony Wilkes (Classics)
Carol Ann Williger
Mark Farrell Wilson
Henry Winecker
Frank Wittland, III
Joseph S. Wixed
Bruce Allen Wollschlager
Roger Raymond Yergeau, Jr.
Christopher Ziogas
Bruce Allan Zwicker

BACHELOR OF ARTS

(Bachelor of Science in Engineering Awarded by University of Connecticut
in Joint Program)

JOHN THEODORE WYATT

BACHELOR OF SCIENCE

John Ludwig Argento
William Kevin Bennett
Larry Stanley Benson
Gloria Jean Bivona
Robert Arthur Blass
Maurice Gregory Bohnsack
Robert Mark Boudreau
Gary Steven Bowen
Kevin Francis Braun
Robert William Bruderman
Carl Keith Brueggestrat
Richard George Brzezinski
Paul Frederick Buckley
Timothy William Byrne
Michael Edward Callahan
James Richard Camarata
David Alan Canestrari
Alan James Capasso
Frederick Robert Carter
Robert Joseph Cefoli
Edward Anthony Chibaro
Kathryn Ann Christiani
James Joseph Christino
Carmine John Ciccarelli
Waymen Michael Clinch
Michael John Coe
William Anthony Collier
Joseph George Collins
Robert Stephen Conway
Susan Irence Cusano
Thomas Francis Damato
Edward Richard Defeo
Peter Louis Demizio
William Patrick Devery
Luis Sergio Diaz-Albertini
Joseph Edward Dicorpo
John Thomas Donovan
Robert Thomas Everlanka
Thomas Gerard Faranda
Raymond James Farrell
John Paul Ferencz, Jr.
Peter Michael Ferrara
Robert Earl Fisher
Richard John Fitzsimons
Kenneth Laurence Franco
Victor Gabriel Fraulo
Kenneth Nicholas Fredyna
Dolores Marie Galen
Paul Louis Gallois
Frank Alphonse Gentileco
Christopher John Goedecke
Joseph Gerard Goodhouse

Gregory Eugene Goossens
Richard Raymond Gordon
Christopher Dale Haffner
John Edward Hahne
Barry James Hartnett
James Robert Hasler
Steven Francis Hinchey
Stephen Michael Hofmann
George William Holder
William Peter Homa
James Peter Hoyt
Donald John Innes, Jr.
Gary Francis Janowsky
Joseph John Jasurkowski
Thomas Stanislaus Kaluzynski
Kenneth Paul Kalva
James Douglas Kavanaugh
Paul Thomas Kirschmeier
John Douglas Klein
Michael Joseph Knight
Raymond Edmund Kosak
Robert Adam Kunces
Philip James Lalka
Thomas Francis Leahy
Thomas Henry Loester
Walter Theodore Lohotsky
John Joseph Lynch
Joseph Philip Macaluso
John Burke Mandable
Robert Francis Manetta
Frank Anthony Manfredi
Kevin Michael Manley
Joseph Michael Marcino, Jr.
Pascal Richard Marigello
Richard Allan Marshall
Frederick Paul Masnato
Robert Thomas Matthews
James Patrick McCarthy
Michael Francis McCarthy
Rory Thomas McCarthy
Peter Jude McDonald
Thomas George McDonough
Sister Denise Marie McGowan
Garrett Edward Meagher
Michael Charles Mettrione
Richard R. Metz
Kevin James Mitchell
John Patrick Monahan, Jr.
Timothy Francis Monahan
John Peter Mora
Gerald Joseph Murphy

Richard James Niedermeier
Paul Lockwood Novotny
Richard John O'Connor
Joseph Ross O'Hanlon
Frank Richard Ohotnicky
David Ward O'Leary
John Horace Oliver
Thomas Joseph O'Malley
Edward Joseph Paradise, Jr.
Glenn Lambi Phillips
Richard Lee Pinto
Robert Louis Pizone
Michael Thomas Plude
Donald Arthur Pogoda
James Gary Prochaska
William Louis Ramaccia
Kurt Raymond Raschi
Frank Peter Reeves
Michael Ira Riner
Thomas William Ryan
Alan Joseph Salvini
Thomas Charles Santaniello
John William Schuler
Philip William Sherwood
Terrence James Shortelle
Raymond Stanley Sierakowski
Livio Silvestri
Paul Vincent Spatz
Russell Morton Spencer
William Christopher Springer
Michael Mark Stanio
Lawrence Paul Starkey
Daniel Joseph Sullivan
John Arthur Sullivan, Jr.
James Eugene Sullivan
Walter Thomas Sullivan
Kenneth Lee Thomas
John Timbone, Jr.
John Anthony Toomey
William Robert Tribou
Gregory John Turaj
Thomas Frederick Wagner
Donald Kenneth Warfel
Michael Alan Warner
Lawrence Lee Willis
Charles Francis Wilson, Jr.
Franklin Marshall Wilson
Robert Francis Wilson
Thomas George Wood
William Michael Wood
Michael Joseph Zarcone
Robert Michael Zukoski

UNIVERSITY ENROLLMENT

1972 - 1973

SUMMER SESSION 1972	MEN	WOMEN	TOTAL
Graduate Students	353	762	1115
Undergraduate Students	88	103	191
TOTALS	441	865	1306

CLASS ENROLLMENT

UNDERGRADUATE

Freshman	413	290	703
Sophomore	381	262	643
Junior	425	172	597
Senior	444	43	487
5 year students	18	12	30
Special Students			
Part-time	22	20	42
Full-Time	2	0	2
Undergraduate Total	1705	799	2504

GRADUATE (Education)

Full-time	31	20	51
Part-time	509	812	1321
Total	540	832	1372

GRADUATE (Communication)

Full-time	20	8	28
Part-time	59	30	89
Total	79	38	117

STUDENT ENROLLMENT - FALL 1972	GRAND TOTAL	3993
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The New England Association of Colleges and Secondary Schools accredits schools and colleges in the six New England states. Membership in one of the six regional accrediting associations in the United States indicates that the school or college has been carefully evaluated and found to meet standards agreed upon by qualified educators. Colleges support the efforts of public school and community officials to have their secondary school meet the standards of membership.





